CHAPTER IV

FINDINGS AND DISCUSSIONS

This chapter discusses the analysis of the collected data which answer the question in chapter one. It is the main purpose of the study. This chapter is the most significant part of the whole study. In data analysis, all questions are expected to be answered on the basis of modality theory by Charles W. Kreidler presented in chapter two.

4.1 Findings

This section discusses about the data from Business articles in Jakarta Post newspaper. The writer takes data in different kind of modal verb from four business articles in Jakarta Post newspaper that release during five days in April 2016. The data are analysis by using modality theory.

4.1.1 Kind of Modality

Modality is divided into two kinds: deontic modality and epistemic modality. Modality may be expressed in various ways, but in this presentation has concentrated on the modal verbs of English. Kreidler (1998:240) said that modal verbs meant in modality theory which are <u>can</u>, <u>could</u>, <u>may</u>, <u>might</u>, <u>will</u>, would, must, should, ought, need, have to, have got to.

4.1.1.1 Deontic Modality

Deontic modality has to do with obligation (the necessity of action or non-action). Deontic modality is typically centered on some entity, generally expressed in the subject of the sentence (Kreidler, 1998:247). In finding the deontic modality in Business articles of the Jakarta Post enewspaper, there are modal verbs <u>can</u>, <u>must</u>, <u>should</u>, <u>will</u>, <u>cannot</u>, <u>could not</u>, <u>and will not</u>. By using modality device for analyzing the data, the writer finds the meanings in each kind of deontic modality words.

4.1.1.1.1 Can

Possibility that is subject-centered is expressed with the modal verbs <u>can</u>. Kreidler (1998:243) stated that if the potential for an act is entirely in the subject, modal verb <u>can</u> is used. The finding's data are explained below.

Data 1

In an attempt to implement President Joko "Jokowi" Widodo's pledge to ease the flow of goods across the nation, the Transportation Ministry on Monday relaunched its sea traffic information management system, in which businesses can submit online forms to secure various permits, including a sea transportation business permit (SIUPAL) and a ship mooring plan (RPK) for freight liners or non-scheduled tramp ships.

Publicly-listed shipping firm PT Pelayaran Tempuran Emas corporate secretary Marthalia Vigita applauded the move, saying her company was expecting to see faster permit issuance.

"We are very glad about this as we can make payments (for registration) via bank transfer. We <u>can</u> then upload (the payment receipts) online," she said on Monday. (D5, T8.43)

The quotations above are representing how Marthalia Vigita's feeling as corporate secretary of PT Pelayaran Tempuran Emas. In an effort to implement the promise of President Joko Widodo to facilitate the flow of goods across the nation, the Ministry of Transport launched back in the ocean system of traffic management information, in which businesses can submit the form online to secure various permits, including marine license transport enterprises (SIUPAL) and plans mooring ship (RPK) for freight liners or non-scheduled tramp ships. System upgrades inform the company on the necessary documents and procedures and allows them to check the process of monitoring, issuance and validity of documents.

The first data from business articles on Jakarta Post. The writer finds the modality word from data above. He finds the argument sentence that use modality word **can** as kind of deontic modality. The word **can** appear three times in three sentences separated. The second sentence in quotation of argument sentence by Marthalia Vigita above shows that using word **can** is clearly as deontic modality because it is necessity that is centered on the subject of some persons (employee of

PT Pelayaran Tempuran Emas). The second data that found by the writer is explained below.

Data 2

Wianda said rising personal income may also have contributed to increased Pertalite sales. Pertalite is cheaper than Pertamina's other non-subsidized gasoline types, Pertamax and Pertamax Plus, which cost Rp.7,750 and Rp.8,750 per liter respectively.

Before Pertalite was introduced, Pertamina's Premium gasoline made up 92 percent of gasoline sales, followed by Pertamax at eight percent. However, by the end of February, Premium made up only 87 percent, followed by 8 percent of Pertamax sales, four percent of Pertalite sales and one percent of Pertamax Plus sales.

"This is a good time to see who actually consumes Premium, whether its mostly for private cars or other vehicles. We <u>can</u> figure out whether or not we really need to provide more than 75,000 kl (of Premium) a day," Wianda said. (D7, T9.02)

Quotations above tells that narrowing the price of subsidized premium gasoline and high quality fuel which Pertalite and Pertamax has helped to increase the number of consumers switching to cleaner fuels (Pertalite and Pertamax). Pusponegoro Wianda, Pertamina spokesperson told The Jakarta Post recently that Pertalite sales have steadily increased since the type of clean fuel was launched last July. The increase in personal income may also have contributed to the increase in sales Pertalite. High quality fuel Pertalite is cheaper than other types of non-subsidized Pertamina gasoline types, Pertamax and Pertamax Plus, which costs Rp.7,750 and Rp.8,750 per liter

respectively. Therefore in her statement above, Wianda wanted to know whether premium gasoline consumption started to decline lately. So that she wanted to see who actually consumes Premium, whether it is mostly for private cars or other vehicles in purpose to figure out whether or not we really need to provide more than 75,000 kl (of Premium) a day.

From the second data above, the writer finds argument sentence that use modality word **can** in the last sentence. Modality word **can** above is kind of deontic modality. Last sentence is clearly kind of deontic modality because it sentence is represent the necessity. The necessity shows by Wianda that wanted to know whether premium gasoline consumption started to decline lately. Now, we see the next data made from Bali Island, it is explained below.

Data 3

Twenty-two-year-old Ni Nyoman Ayu Tisiwi, one of EBC's workers, said she earned a monthly salary of Rp 1.7 million (\$128). Although it is slightly lower than the regency's minimum wage of Rp 1.9 million, Ayu said it was more than enough to help improve her family's economy.

"I <u>can</u> help my husband, who works as farmer, to provide additional family income," she said. (D7, T9.48)

The quotation that use modal verb **can** above said by Twenty-two-year-old Ni Nyoman Ayu Tisiwi, one of EBC's workers that she

feels helped to provide additional family income. She said that she earned a monthly salary of Rp.1.7 million (\$128). The quotation above tells that after securing the support of investors and business license from the local government, cashew processing business under the banner of East Bali cashew (EBC) was established. The company running the factory in the middle of the village to produce and package a ready-to-eat cashews not far from where they grew. This young company is a stepping stone to fulfilling the mission of helping to empower the locals. Some of the profits from the business will be used to improve Ayu's family income.

The third data is business information come from Bali. In data above, the argument by Ni Nyoman Ayu Tisiwi, one of EBC's workers is using deontic word modality. The word **can** is represents the necessity. The necessity centered on herself as the subject of the sentence. So that, as farmer, Ni Nyoman Ayu Tisiwi needed to help her husband and to provide additional family income. The writer finds next modal verb as fourth data is explained below.

Data 4

"We hope we <u>can</u> lead the MPV market this year with share of 38 to 40 percent," said KTB's head of sales and marketing division, Imam Choeru Cahya.

He said he expected the IIMS to strengthen Mitsubishi's brands among Indonesian consumers. (D8, T9.43)

Major carmakers are showcasing their latest products at the Indonesia International Motor Show (IIMS), which they hope will breathe new life into the market excited. The local arm of the Japanese car maker Mitsubishi try to increase sales by launching new products and promotional offers at the fair amid slowing car sales earlier this year. Official sole distributors Krama Yudha Tiga Berlian Motors (KTB), which are among exhibitors at the IIMS, are targeting reasonable growth backed by their latest products and newly launched brands.

The data above is come from one of business articles in 8th days. Deontic modality word is appears from argument by KTB's head of sales and marketing division, Imam Choeru Cahya. The word can is deontic modality because it is about target (obligation) of the sole distributor of Mitsubishi brands (KTB). Imam said that "we" as Mitsubishi sales and marketing division hoped to lead the market this year with share of 38 to 40 percent. They also targeting reasonable growth backed by their latest products and newly launched brands. The writer also finds other kind of deontic modality is modal verb must are explained below.

4.1.1.1.2 Must

Kreidler (1998:240) stated that the modal verb must has two meanings. In the first, the modal verb must is about obligation. The second, the verb modal must is about expressing probability. The data are explained below.

Data 1

Indonesia <u>must</u> equip its foreign language education curriculum with better facilities and competent instructors to produce a qualified workforce to support its growing tourist sector, officials and educators have suggested.

There are also problems in the education sector more broadly, said Ahman Sya, the Tourism Ministry's deputy for institutional development. Ahman said many Indonesian schools, including vocational schools (SMKs) offering courses in tourism, were struggling from a lack of supporting facilities to accommodate the development of language and IT skills. (D6, T9.25)

A poor grasp of foreign languages and a lack of IT and managerial skills are considered the main reasons why Indonesia's human resources in the sector still lag behind its neighbors. The problems, however, do not entirely lie within the quality of teachers. Ahman Sya, the Tourism Ministry's deputy for institutional development said that many Indonesian schools, including vocational schools (SMKs) offering courses in tourism, were struggling from a lack of supporting facilities to accommodate the development of language and IT skills.

The writer finds modality word from business article titled "Language Training Opens Up Opportunities" in first sentence. The word **must** appear as deontic modality because it word represent obligation. The sentence focusing in the subject "Indonesia", so that Indonesia obligate to equip its foreign language education curriculum with better facilities and competent instructors to produce a qualified workforce to support its growing tourist sector, officials and educators. The second data as modal verb **must** can see below.

Data 2

Asian Development Bank (ADB) economist Priasto Aji said the government would need support from private investments to help construct its infrastructure projects as government spending would run at a slower pace from July because of shrinking revenues.

The government, together with the Financial Services Authority (OJK), <u>must</u> also make efforts to make the financial sector be more inclusive in order to open wider funding access for projects run by private investors, Priasto said. (D7, T8.58)

Quotations above are tells that the government has to lure more private investments into the country in a bid to maintain growth momentum as economists projected the impacts of the government's spending will diminish by the end of this year's first half. Asian Development Bank (ADB) economist Priasto Aji said the government would need support from private investments. He advised the government to enhance private participation in project. Priasto said

that the investors have the money but on the other hand they need ready-to-execute infrastructure projects so they can start construction quickly.

In the data above, the writer find modality word in first sentence by Priasto argument. The word **must** appear as deontic modality. Priasto said the government would need support from private investments to help construct its infrastructure projects. So that, in Priasto argument explain that the government obligate to make efforts to make the financial sector be more inclusive in order to open wider funding access for projects run by private investors. The next data is modal verb should that explained below.

4.1.1.1.3 Should

Modal verb should have meaning to express an obligation. Kreidler (1998:241) explain that modal verb should is express obligation but weaker than must. The data are explained below.

Data 1

In addition to the fact that growth varies between regions, we <u>should</u> seriously consider that the current global economic conditions have changed in the last five years, as indicated by the continued decline of commodity prices since 2010. (D6, T9.11)

Quotation above is made by "we" as the editor. The government of Indonesia, as we know, is still struggling to formulate policies to boost economic growth. Looking at growth variation across the regions, it can draw important lessons on how to accelerate economic development in Indonesia. In the coming years, commodities prices are very likely to rebound but may never reach levels similar to the commodity boom period in 2010. Therefore, we should realize that our economy cannot rely on the commodities sector anymore, since the party is over and will never come back.

In the first data that use the word **should** as modality word above is come from business article about "Strategies to Accelerate Regional Economic Growth". The word **should** in data above appear as deontic modality. The sentence above is kind of obligate that centered on subject. Obligation shows in sentence that we (as reader) obligate to seriously consider that the current global economic conditions have changed in the last five years. The writer continuous to the second data is explained below.

Data 2

In order to support sustainable economic growth in the future, considering global economic changes and the abundance of resources in our region, we <u>should</u> modify our economic growth policy from a commodity-based policy to an industrialization-based one. (D6, T9.11)

Quotations above are made by the editor as "we" state that The Indonesian economy was still able to grow despite the fact that 79.6 percent of its export revenue came from commodities. The evidence from some regions in Indonesia (i.e. Aceh, Riau, East and South Kalimantan) has clearly shown that this high dependency cannot support sustainable economic growth. The editor also said that Indonesia has another source of growth that is strong domestic consumption. So that, in order to support sustainable economic growth in the future, Indonesia should modify their economic growth policy from a commodity-based policy to an industrialization-based one.

There is a modality word in the data above that is as kind of deontic modality word. The word **should** represent necessity that centered on the subject "we" as the editor of business article on Jakarta Post. Necessity represented in order to support sustainable economic growth in the future and considering global economic changes and the abundance of resources in our region. So that, we (as reader) are need to modify our economic growth policy from a commodity-based policy to an industrialization-based one. The third data that represent modal verb should as deontic modality is explained below.

Data 3

The commodity price drop should be a good moment for Indonesia to revitalize its industrial sector. This sector has always been growing more slowly than the overall economy, resulting in its share in the economy continuously declining since 2004.

There are some strategies the government can adopt to boost economic growth and sustain ability. First, the government <u>should</u> pay more attention to regions with low economic growth, including provinces in Sumatera and Kalimantan. (D6, T9.11)

Quotation above tells that the commodity price drop should be a good moment for Indonesia to revitalize its industrial sector. This sector has always been growing more slowly than the overall economy, resulting in its share in the economy continuously declining since 2004. Its condition make the government created some strategies that can adopt to boost economic growth and sustain ability. The one strategy is the government should pay more attention to regions with low economic growth, including provinces in Sumatera and Kalimantan because these regions have their own growth track, which is good so far.

In data above the editor use the word **should** as modality word. The word **should** appear as deontic modality. The editors represent necessity in statement above that in first step to boost economic growth and sustainability, the government need to pay more attention to regions with low economic growth. The region mean are province

Sumatra and Kalimantan. The writer finds fourth data as modal verb should is explained below.

Data 4

Indonesia still lags behind by its neighbor Malaysia in terms of the distribution of high octane fuel. Malaysia removed fuel with an RON lower than 91 in 2008, and now its people regularly consume fuel with an RON of 95. In Indonesia, by contrast, 87 percent of distributed fuel has an RON of 88.

Meanwhile, the executive director of the Committee for the Phasing Out of Leaded Fuel (KPBB), Ahmad Syafrudin, urged the public to start consuming at least fuel with an RON of 91.

"I think Indonesians should start to follow Malaysia in eliminating nonstandardized fuel," he said. (D7, T9.02)

Quotation above tells condition that Premium has a Research Octane Number (RON) of 88. The executive director of the Committee for the Phasing Out of Leaded Fuel (KPBB), Ahmad Syafrudin stated that Indonesia still lags behind by its neighbor Malaysia in terms of the distribution of high octane fuel. Malaysia removed fuel with an RON lower than 91 in 2008, and now its people regularly consume fuel with an RON of 95. In Indonesia, by contrast, 87 percent of distributed fuel has an RON of 88.

Data above is the last data that writer find the word **should** as modality word. The word **should** here mean kind of deontic modality because there is sentence represent obligation. The sentence above is

sentence statement by executive director of the Committee for the Phasing Out of Leaded Fuel (KPBB), Ahmad Syafrudin that use modal verb **should** centered on subject (Indonesia). According to Ahmad, Indonesia obligate to start to follow Malaysia in eliminating nonstandardized fuel. After analyzing the data as modal verb should, the writer finds other kinds of deontic modality which is explained below.

4.1.1.1.4 Will

The modal verb will can in some case can had 100 percent probability. Kreidler (1998:246) said that it is a prediction. The data are explained below.

Data 1

Finance Minister Bambang Brodjonegoro, who officiated the departure of the cars at Tanjung Perak Port in Surabaya, East Java, on Thursday, said that the shipment was one of the government's survival strategies amid the decline in demand for commodities from traditional export markets.

The government <u>will</u> support the new marketing strategy by providing a buyer's credit facility if countries such as Bangladesh and Egypt do not have enough money to pay all at once, he explained. (D4, T9.24)

The quotation above is statement by Finance Minister Bambang Brodjonegoro that tells about Indonesia's exports that have been declining due to a commodities price slump and weakening global demand. Bambang Brodjonegoro also said that the shipment was one of the government's survival strategies amid the decline in demand for commodities from traditional export markets. A new marketing strategy is necessary to improve the sluggish export performance of recent years, including the targeting of non-traditional export markets such as Bangladesh and Egypt.

Data above is business information come from state-owned train manufacturer (BUMN) PT. INKA. The editors are using modality word as modal verb. The word will in data above is kind of deontic modality. The sentence is representing that necessity centered on the subject. So that, it can explained that sentence above tells about PT. INKA needs the government to support the new marketing strategy by providing a buyer's credit facility for countries such as Bangladesh and Egypt if they do not have enough money to pay all at once. The other data as modal verb will is explained below.

Data 2

On the same occasion, Trade Minister Thomas Lembong stated that his party was also attempting to penetrate non-traditional markets to save the country's exports.

"We <u>will</u> try to penetrate non-traditional markets such as Russia, Eastern Europe, Pakistan, India and maybe Africa," he said. (D4, T9.24)

Quotation above is the next quotation from data that has explained before, due to a commodities price slump and weakening global demand. In this quotation says that the government will support the new marketing strategy that Trade Minister Thomas Lembong stated that his party was also attempting to penetrate non-traditional markets to save the country's exports, he stated that the government will try to penetrate non-traditional markets such as Russia, Eastern Europe, Pakistan, India and maybe Africa.

In the next data above is kind of deontic modality. The second sentence of the data representing that center of the sentence is on its subject. The word will is used as modal verb to shows necessity. So that, it sentence can paraphrasing that subject "we" as the government needed to try to penetrate non-traditional market such as Russia, Eastern Europe, Pakistan, India and Africa. The writer find the next data as the same device is explained below.

Data 3

The government will assess a complaint filed by Brazil with the World Trade Organization (WTO) that accuses Indonesia of hampering the import of beef from the South American country.

Trade Ministry senior official Karyanto Suprih said he did not understand the basis of Brazil's complaint, saying the government was open to beef imports from different countries. (D7, T9.00)

The quotation above tells a condition that a complaint filed by Brazil to the World Trade Organization (WTO). Brazil accuses Indonesia of inhibiting the import of beef from South American countries. Indonesian government has denied the allegations with statements by senior officials of the Ministry of Commerce Karyanto Suprih said he did not understand the basic complaint of Brazil, said the government was open to imports of beef from different countries.

From the data above, the editors of Jakarta Post use the word will as modal verb. The word will is modality word as kind of deontic modality because the center of the sentence is on the subject (the government). The sentence above is representing necessity statement. So that the sentence above can be paraphrasing that the government needed to assess a complaint filed by Brazil with the World Trade Organization (WTO) that accuses Indonesia of hampering the import of beef from the South American country. After finds the data modal verb as deontic modality, the writer finds the data as negative modal verb as deontic modality are explained below.

4.1.1.1.5 Can Not

Negativity applies to the modal verb can. Possibility that is subject-centered is expressed with the modal verbs can. Kreidler

(1998:243) stated that if the potential for an act is entirely in the subject, modal verb can is used. In contrast, the modal verb can is used as modal verb may although the modal verb may is preferred. The data are explained below.

Data 1

BI Governor Agus Martowardojo said that promissory notes would be one instrument that the authorities planned to reinstate after the policy harmonization. A promissory note is a written instrument of a lending transaction with detailed information on the size of loan, repayment period, interest rate etc.

However, in BI's view, the past is in the past. "We <u>cannot</u> kill an instrument just because we are traumatized by a past crisis," Agus said. (D9, T10.59)

The above quote is the condition described by BI Governor Agus Martowardojo, he said that the promissory notes will be one of the instruments that the authorities are planning to return after the harmonization of policies. A promissory note is a written instrument of the loan transaction with detailed information. Agus said that we cannot kill the instrument simply because we are traumatized by past crises. He explained, Agus stated that the past is the past.

The data above is negative modal verb as kind of deontic modality. The center of the sentence is on the subject "we". The speaker had the evidence that a promissory note is a written instrument of a lending transaction with detailed information on the size of loan,

repayment period, and interest rate. So that the speaker wanted to show an opinion that it obligated not kill an instrument just because we are traumatized by a past crisis. The second data as negative modality is explained below.

4.1.1.1.6 Could Not

Negativity applies to the modal verb could. In the book of modality theory that Kreidler (1998:243) has wrote, he stated that to express personal potential in the past could is used. It is thus the past tense form of can. The data is explained below.

Data 1

Aaron later learned that although there were 7,700 hectares of cashew trees in Ban, a remote subdistrict located in the northeastern part of the popular resort island, local farmers <u>could not</u> fully tap the potential of the product as they directly sold newly harvested cashews to India and Vietnam, which processed them further into various ready-to-eat products. (D7, T9.48)

The above quotation from the beginning of the story shortly after moving to the popular resort island, the American culinary entrepreneur Aaron Fishman could not understand why the villagers around them remain poor despite the abundance of cashew trees in the area. Aaron later learned that although there are 7,700 hectares of cashew tree in Ban, a remote districts located in the northeastern part of the island popular. according to Aaron, local farmers could not fully

exploit the potential of their products directly sold freshly harvested cashews to India and Vietnam are supposed cashews they can be processed further into products ready to eat.

The data above represent negative modal verb **could**. The modal verb **could not** occur as deontic modality. The center of the sentence is on the subject local farmers. The editor states that local farmers are necessity to fully tap the potential of the product. Then the editor adds a fact that they (subject) directly sold newly harvested cashews to India and Vietnam. After finds the second kind of negative modality, the writer finds other kind of negative modality is explained below.

4.1.1.1.7 Will Not

Negativity applies to the modal verb will. The modal verb will can in some case can had 100 percent probability. Kreidler (1998:246) said that it is a prediction. The data is explained below.

Data 1

The ministry's director general for oil and gas, IGN Wiratmaja Puja, said his office would soon propose the idea to the House of Representatives.

"The LPG subsidies, which have been set at Rp 31 trillion (US\$2.3 billion), will be reallocated for the development of pipeline

infrastructure. We will not cut it completely, just reallocate it," he said on Thursday. (D9, T10.57)

The statement above saying that the government is working to gradually reduce the distribution of subsidized liquefied petroleum gas (LPG) tube and using gas subsidies for the construction of gas pipelines to reach a more residential area. This step will help the Energy and Mineral Resources to meet the targets the development of a gas pipeline. Director General of the ministry of oil and gas, IGN Wiratmaja Puja, said it will soon propose the idea to the House.

The second data that represent negative modal verb **will** above occur as deontic modality. The center of the sentence is on the subject. We as the center of the sentence built the readers thought. The speaker predict that we necessity not to cut it completely, just reallocate it. After finds the data as deontic modality, the writer finds the data as epistemic modality are explained below.

4.1.1.2 Epistemic Modality

Epistemic modality is concerned with possibility (the necessity of existence or non-existence). Epistemic modality is centered on the whole predication (Kreidler, 1998:247). In finding the epistemic modality in Business articles of the Jakarta Post, there are modal verbs can, could,

may, must, should, will, would, and might. By using modality device for analyzing the data, the writer finds the meanings in each kind of epistemic modality words.

4.1.1.2.1 Can

Kreidler (1998:243) stated that if the potential for an act is entirely in the subject, can is used. The modal verb <u>can</u> is used as modal verb <u>may</u> although the modal verb <u>may</u> is preferred. The writer also finds the modal verbs as kind of epistemic modality are explained below.

Data 1

Iwan Agung Firstantara, the newly appointed CEO of PLN subsidiary PT Pembangkitan Jawa-Bali (PJB), said the company planned to start transporting gas to Lombok next year after a 100 MW power plant is established there.

"This <u>can</u> be a solution for remote areas, especially those in the east. We may also be able to do something similar for larger islands, by sending LNG (liquefied natural gas) by ship," Iwan said. (D1, T8.44)

Quotation statement by Iwan Agung Firstantara, the newly appointed CEO of PT PLN child Generation Java-Bali (PJB) above said that the company plans to start transporting gas to Lombok the next year after a 100 MW power plant established there. Iwan's target the gas will reach Lombok using CNG marine transportation with a capacity of 23 MMSCFD. He hoped that this could be a solution for

remote areas, especially in the east. So that by sending LNG (liquefied natural gas) with Iwan ship also has other hope is to do something similar to islands larger.

The quotation above is the first data of epistemic modality. The word as epistemic modality above shows in first sentence. The word can above is kind of epistemic modality because the case of the context is the center of the sentence. The case is by converting petroleum-based fuel power plants to utilize gas or renewable energy sources. So that the sentence above paraphrased that it case can be a solution for remote areas, especially those in the east. The second data as epistemic modality that found by the writer is explained below.

Data 2

Asian Development Bank (ADB) economist Priasto Aji said the government would need support from private investments to help construct its infrastructure projects as government spending would run at a slower pace from July because of shrinking revenues. He advised the government to enhance private participation in project delivery through state-owned enterprises (SOEs) and public private partnership (PPP) schemes, to name two.

"The investors have the money but (on the other hand) they need ready-to-execute infrastructure projects so they <u>can</u> start construction quickly," he said on the sidelines of a seminar in Central Jakarta on Wednesday. (D7, T8.58)

In an excerpt from business article above says that the government should lure more private investment into the country in an

effort to maintain the momentum of growth as Economists project the impact of government spending will be reduced by the end of the first half of this year. Asian Development Bank (ADB) economist Priasto Aji said the government should have the support of private investment to help build infrastructure projects as government spending, but it will run at a slower pace due to shrinking revenue. So he suggested the government to increase private participation in the project delivery through state-owned enterprises (SOEs) and public private partnership (PPP) scheme, to name two.

Quotation of the statement above is one sentence that content modality word in it. The word can is represent modality word as epistemic modality. The sentence centered in the case. It explained that they need ready-to-execute infrastructure project, they can start construction quickly. So that the word can is clearly as epistemic modality. now, the writer finds third data as epistemic modality is explained below.

Data 3

Several months later, after securing support from investors and a business permit from the local government, Aaron launched a cashew processing business under the flag of East Bali Cashews (EBC). The company runs its plant in the middle of the village to produce and package ready-to-eat cashews not far from the place they were grown.

Starting with 130 workers, the company <u>can</u> now provide jobs for 350 local people; 85 percent of them are women who used to be unemployed. (D7, T9.48)

Statement above tells that several months is the amount of time of Aaron's live for establishing the company. After securing the support of investors and the business license from the local government, Aaron launched cashew processing business under the banner of East Bali cashew (EBC). Starting with 130 workers, the company can now provide employment for 350 local people. 85 percent of the workers are women who are empowered to cope with the large number of unemployed in the village.

The data above is use modal verb can as modality word. The word can above is representing as epistemic modality because in modality theory this sentence is kind of probability sentence. This sentence is probability centered on the preposition contained in the sentence. So that, the sentence above can be paraphrased it is necessarily the case that starting with 130 workers, the company can now provide jobs for 350 local people in the middle village in Bali. The last data that represent modal verb can as epistemic modality is explained below.

Data 4

BI Governor Agus Martowardojo said that promissory notes would be one instrument that the authorities planned to reinstate after the policy harmonization.

A promissory note is a written instrument of a lending transaction with detailed information on the size of loan, repayment period, interest rate etc. The note is signed by the debtor and kept in the possession of the creditor. It was a popular lending instrument prior to the 1997-1998 financial crises, but has since been abandoned because of a lack of guarantees, which led to mounting bad debts.

A bank that holds a promissory note <u>can</u> also put the instrument up for sale to other banks or investors and even use it as security for a repurchase agreement. (D9, T10.59)

A promissory note referred to above is a written instrument of the loan transaction with detailed information on the size of the loan, the repayment period, interest rates etc. The record is signed by the debtor and kept in the possession of the creditor. It is a popular loan instruments before the 1997-1998 financial crisis, but has since been abandoned because of lack of collateral, leading to rising bad loans. BI Governor Agus Martowardojo said that the promissory notes will be one of the instruments that the authorities are planning to return after the harmonization of policies. So the importance of the promissory notes that stated that a bank that holds a promissory note can also place instruments to be sold to another bank or investor, and even use it as collateral for repurchase agreements.

The second sentence in the quotation above appear the word can as modality word because the word can appear as modal verb. The word can above is epistemic modality because it shows that the center of the sentence is the case of the sentence. so that it sentence can be paraphrased that in case a bank that holds a promissory note, it is the case that the bank can also put the instrument up for sale to other banks or investor. The next data that the writer finds is modal verb could as epistemic modality are explained below.

4.1.1.2.2 Could

In the book of modality theory that Kreidler (1998:243) has wrote. He stated that to express personal potential in the past could is used. It is thus the past tense form of can. The data are explained below.

Data 1

In an attempt to implement President Joko "Jokowi" Widodo's pledge to ease the flow of goods across the nation, the Transportation Ministry on Monday relaunched its sea traffic information management system, in which businesses can submit online forms to secure various permits, including a sea transportation business permit (SIUPAL) and a ship mooring plan (RPK) for freight liners or non-scheduled tramp ships.

Publicly-listed shipping firm PT Pelayaran Tempuran Emas corporate secretary Marthalia Vigita applauded the move, saying her company was expecting to see faster permit issuance.

Previously, the process to obtain a ship certificate <u>could</u> take up to a month, as applicants had to repeatedly visit the ministry to check on the progress of their application, Marthalia explained. (D5. T8.43)

Quotation of the business article above explained that in an attempt to implement President Joko Widodo's pledge to ease the flow of goods across the nation, the Transportation Ministry relaunched its sea traffic information management system, in which businesses can submit online forms to secure various permits, including a sea transportation business permit (SIUPAL) and a ship mooring plan (RPK) for freight liners or non-scheduled tramp ships. PT Pelayaran Tempuran Emas corporate secretary Marthalia Vigita said that she was very glad about this as she can make payments (for registration) via bank transfer. She can then upload the payment receipts in online.

The first data as modal verb **could** above appear as epistemic modality. The sentence shows that the case is the center of the sentence. The case of the sentence is the process to obtain a ship certificate. So that the statement by Marthalia above can be explained that previously, in the case that process to obtain a ship certificate, it could take up to a month, as applicants had to repeatedly visit the ministry to check on the progress of their application. The second data is explained below.

Data 2

"We are looking at the second semester. We hope this year car sales <u>could</u> move back to the pre-2015 level," I Gusti Putu Suryawirawan, director general for metal, machinery, transportation equipment and electronic industries, said at the opening of the auto show on Thursday. (D8, T9.43)

Statement above explain that I Gusti Putu Suryawirawan, director general for metal, machinery, transportation equipment and electronic industries, hope this year car sales could move back to the pre-2015 level. I gusti plans his hope will acomplished next season, so that his stated that he is looking at the second semester.

Quotation above comes from statement by director general for metal, machinery, transportation equipment and electronic industries. The second data of the word **could** as epistemic modality. I Gusti Putu Suryawirawan use modality word in the second sentence of his statement above. The writer can be paraphrasing statement above in the case that looking at the second semester, I Gusti Putu Suryawirawan hope this year car sales could move back to the pre-2015 level. The next data is explained below.

Data 3

Sunu also said the company's performance so far this year <u>could</u> be seen as an "encouraging sign", as it had managed to record an average load factor of 80 percent throughout the first quarter, which is also considered the low season. (D8, T9.51)

In quotation above, IA (Air Asia) President Director Sunu Widyatmoko said the company was expecting to see its average load factor increase from around 75 percent in 2015 to over 80 percent throughout the first quarter in this year, as customers gradually make spending adjustments following the depreciating rupiah. so that in his statement Sunu state that the company's performance so far this year could be seen as an "encouraging sign".

The statement by AirAsia (IA) president director Sunu Widyatmoko above is the last data of epistemic modality that use the word **could**. Sunu use the word **could** to show possibility that has occured. So that it statement can be paraphrase in case looking the company's performance so far this year Sunu state that it could be seen as an encouraging sign. The writer finds other kind modal verbs as epistemic modality are explained below.

4.1.1.2.3 May

Kreidler (1998:243) stated that possibility is expressed with the modal verbs may. If the potential rests in another person's authority, may is the preferred verb. The data are explained below.

Data 1

Taxpayers' money <u>may</u> have been misused for years following a discovery that only a fifth of approximately 22 million subscribers with 900 watt electricity capacity installed in their homes are qualified for the power subsidies they are currently receiving.

A joint verification survey conducted recently by the Energy and Mineral Resources Ministry, state-owned electricity company PLN and the National Team for the Acceleration of Poverty Reduction (TNP2K) found that some 18 million subscribers were ineligible for subsidized electricity, said the ministry's director general for electricity, Jarman. (D2, T10.39)

A joint verification survey conducted recently by Jarman as the Energy and Mineral Resources Ministry, state-owned electricity company PLN and the National Team for the Acceleration of Poverty Reduction (TNP2K) found that some 18 million subscribers were ineligible for subsidized electricity. The impact that jarman stated is taxpayers' money may have been misused for many years after the discovery that only a fifth of the approximately 22 million customers with 900 watts of electrical capacity installed in their homes are eligible for electricity subsidies they currently receive.

Data above is the first data that use the word **may** as epistemic modality. The center of the sentence is on the case about taxpayer's money. The word **may** occur because of the statement of the editors is about the possibility. In this context the editor want to show possibility

statement about taxpayers' money that may have been misused. The next data explained below.

Data 2

In 2016, PLN's electricity consumption nationwide is predicted to grow by 6 percent to 226 TWh. Although Jarman was tight-lipped about the new electricity subsidy value, he disclosed that the government was mulling several options to implement after Energy and Mineral Resources Minister Sudirman Said officially hands over the survey results to Jokowi.

Those ineligible for the subsidies, for example, would be given the option of crossing over to a 1,300 watt plan or continuing with 900 watts but paying a higher rate.

"Those who feel that they still deserve to use the subsidized plan <u>may</u> apply for it from the Home Ministry through their local administration. We will then evaluate their situation before making a decision," he said. (D2, T10.39)

Statement above is come from the Energy and Mineral Resources Ministry, Sudirman Said to responding to a statement by the Ministry's Director General for Electricity, Jarman. In 2016, PLN's electricity consumption nationwide is predicted to grow by 6 percent to 226 TWh. Although Jarman silent about the value of new electricity subsidies, it is revealed that the government is considering several options to apply after the Minister of Energy and Mineral Resources Minister Sudirman Said officially handed over the survey results for Jokowi. Those ineligible for the subsidies, for example,

would be given the option of crossing over to a 1,300 watt plan or continuing with 900 watts but paying a higher rate.

The data above is epistemic modality. The modal verb **may** occur right after the case of the sentence. The case is those who feel that they still deserve to use the subsidized plan. So that the sentence is depend on the case that it give permission to apply for it from the Home Ministry through their local administration. The third data explained below.

Data 3

Wianda said the public's increasing awareness of their vehicles' needs, rather than strategic marketing by the company, was the reason behind the increasing sales.

Wianda said rising personal income <u>may</u> also have contributed to increased Pertalite sales. Pertalite is cheaper than Pertamina's other non-subsidized gasoline types, Pertamax and Pertamax Plus, which cost Rp 7,750 and Rp 8,750 per liter respectively. (D7, T9.02)

The statement above is about the narrowing price gap between the subsidized Premium gasoline and the higher quality fuels Pertalite and Pertamax which cost Rp 7,750 and Rp 8,750 per liter respectively that has helped to increase the number of consumers switching to the cleaner fuels. Pertamina spokesperson Wianda Pusponegoro told The Jakarta Post recently that Pertalite sales had steadily increased. Wianda said the public's increasing awareness of their vehicles' needs,

rather than strategic marketing by the company, was the reason behind the increasing sales.

The second data of epistemic modality that represent the word may is from quotation of the subject. The word may is represent possibility of the sentence. The center of the sentence is on the case of its sentence. The case of the sentence is those who feel that they still deserve to use the subsidized plan. So that the writer can be paraphrase its sentence is possibility that apply for it, is from the Home Ministry through their local administration are those who feel that they still deserve to use the subsidized plan. The writer continuous finding data is explained below.

Data 4

Pattimura University rector Marthinus Johanes Saptenno, meanwhile, said the university would start recruiting students in July. He also said that the university would prepare a special program dedicated to the Masela block development in the hope of attracting prospective local students.

The involvement of skilled engineers is the key to the development of the onshore project, as experts have raised concerns about technical issues that <u>may</u> arise in the country's most important deepwater gas project, including those stemming from the presence of an ocean trench between gas reserves. (D7, T9.10)

The quotation above tells the condition that the Rector of the University of Pattimura Marthinus Johannes Saptenno stated the university will begin recruiting students in July. He also said that the

university will prepare a special program dedicated to the development of the Masela block, hoping to attract local student candidates. The involvement of experts is keys to the development of onshore projects, as experts have raised concerns about technical problems that may arise in a gas project in the northwest of the most important in the country, including those from the presence of an ocean trench between gas reserves.

The third data above is a long sentence that divided into three sentences. The word **may** shows in the second sentence. Epistemic modality occurs because the center of the sentence is on the case of the sentence. The case of the sentence is the country's most important deepwater gas project. So that it can be paraphrased that in the case the country's most important deepwater gas project experts have raised concerns about technical issues that possibly arise. After finds modal verb may as epistemic modality the writer finds modal verb must as epistemic modality is explained below.

4.1.1.2.4 Must

Joos (1964:147–148) stated that the modal verbs must have numerous subtleties in what they express in different contexts. Kreidler (1998:240) stated that modal verb must have two meanings

which are obligation and expressing probability. The data is explained below.

Data 1

Energy and Mineral Resources Minister Sudirman Said declined to discuss Freeport Indonesia's smelter. Furthermore, he stated that the government had not yet decided to extend the company's deadline to operate in Indonesia beyond 2017.

"We have not considered (extending the deadline). However, we have all agreed to continuously assess the smelter development so that we can fulfil the industry's needs. In principle, we <u>must</u> continue to support downstream activities," he said. (D8, T9.42)

The above data is the statement of the Minister of Energy and Mineral Resources Sudirman Said. Despite the government's efforts on the construction of the smelter, progress continues to be slow: Only six small smelter that kick-started last year. Sudirman said that he refused to discuss the smelter Freeport Indonesia. Furthermore, he stated that the government has not decided to extend the deadline for companies to operate in Indonesia exceeded 2017.

The data above is the only one data found that use the word **must** as epistemic modality. Pieces of the last sentence above represent modality and the center of the sentence is on the case of the sentence said that in principle. In principle here meant is to continuously assess the smelter development so that we can fulfill the industry's needs. So that the sentence can be paraphrased that the case

to continuously assess the smelter development we must continue to support downstream activities. There is other kind of modal verb as epistemic modality that the writer finds are explained below.

4.1.1.2.5 Should

Kreidler (1998:241) explain that modal verb should is express obligation but weaker than must. Other speakers of English may well have a different ranking. Depend on the text and context the modal verb should can express an opinion that means prediction. The data are explained below.

Data 1

Meanwhile, Sudirman emphasized that the ministry was aiming to start gradually reducing the subsidies from June.

"In principle, subsidized electricity should only be given to those who deserve it but the joint ministry, PLN and TNP2K survey showed that this was not so. For example, there have been stories where a household is a 450 VA (customer), but then at the same time they have a (Toyota) Alphard car. This is not proper. We must ensure that only the poor receive it," he said. (D2, T10.39)

The quotation statement above describes a condition that the Energy and Mineral Resources Minister Sudirman asserted that the ministry aims to start gradually reducing subsidies from June. Sudirman said that in principle, the electricity subsidy should only be given to those who deserve it but shared services, state-owned

electricity company (PLN) and the National Team for the Acceleration of Poverty Reduction (TNP2K) survey shows that this is not so. Sudirman add his statement for example, there is a story in which the household is 450 VA (customers), but then at the same time they have a (Toyota) Corolla car. He state that this is not right. He also state that we must ensure that only poor people receive.

The data above is representing first data of epistemic modality that use modal verb **should**. The speaker wants to express an opinion. Epistemic modality shows that the sentence centered on the case of the sentence. So that the sentence can be paraphrase as subsidized electricity should only be given to those who deserve it because the case that it must ensure that only the poor receive it. The second data is explained below.

Data 2

Publicly-listed shipping firm PT Pelayaran Tempuran Emas corporate secretary Marthalia Vigita applauded the move, saying her company was expecting to see faster permit issuance.

Under the previous online information management system, an applicant also had to submit several documents in hard copy instead of uploading them to the system.

"The new system should be a breakthrough to ease the process," she added. (D5. T8.43)

Quotations above explain the condition that Publicly-listed shipping firm PT Pelayaran Tempuran Emas corporate secretary Marthalia Vigita said that the company expects to obtain licenses more quickly. He added that the new system should be a breakthrough to ease the process. Marthalia revealed that under the previous online management information system, the applicant must also submit documents in hard copy rather than upload it to the system. this led to he hoped that the new system should be a breakthrough to ease the process.

The second data above is epistemic modality that use modal verb **should**. The center of the sentence is on the case of the sentence. The case is about the new system. It can be meaning of the prediction. It statement can be paraphrase as the new system predicted can be a breakthrough to ease the process. The next data is explained below.

Data 3

Indonesian National Shipowners Association (INSA) chairperson Carmelita Hartoto said the online program should expedite the process, as it didn't require face-to-face meetings between the applicant and regulators.

"But there <u>should</u> be a deadline for the regulator to make a decision, and with a system and independent body to monitor the program closely," she said. (D5. T8.43)

Quotation above are related to the previous quote that explains that under the previous online management information system, the applicant must also submit documents in hard copy rather than upload it to the system. The quote above describes the responses expressed by Indonesian National Shipowners Association (INSA), chairperson Carmelita Hartoto said the online program should speed up the process, because it does not require face-to-face meeting between the applicant and the regulator, but he menambahwan explanation that there should be a deadline for the regulator to make the decision, and with the system and an independent body to monitor the program closely.

The third data above is epistemic modality statement that use modal verb **should**. The case of the sentence is with a system and independent body to monitor the program closely. It case is the center of the sentence. So that it can be paraphrased that it can be predicted there be a deadline for the regulator to make a decision in the case with a system and independent body to monitor the program closely. The last data that represent modal verb should is explained below.

Data 4

In order to support sustainable economic growth in the future, considering global economic changes and the abundance of resources

in our region, we should modify our economic growth policy from a commodity-based policy to an industrialization-based one. An economy that is supported by the industrial sector is always more resilient against external shocks than one that relies on commodities, and it is better at adding value to products and creating jobs.

The commodity price drop <u>should</u> be a good moment for Indonesia to revitalize its industrial sector. This sector has always been growing more slowly than the overall economy, resulting in its share in the economy continuously declining since 2004. (D6, T9.11)

Quotation made by the editor above are explain the condition that in order to support sustainable economic growth in the future, given the changes in the global economy and the abundance of resources in our region, we have to change the policy of our economic growth from the policy of commodity-based to one based industrialization. The editor add a statement that the economy is supported by the industrial sector is always more resilient to external shocks than one that relies on commodities, and better in value added to the product and create jobs.

Quotation above is the last data of epistemic modality that use modal verb **should**. It can be the editor want to shows opinion. The case is the center of the sentence. The sentence can be paraphrased that in the case of the commodity price drop the editor express an opinion that it should be a good moment for Indonesia to revitalize its industrial sector. After finds data modal verb should as epistemic modality, the writer finds data modal verb will are explained below.

4.1.1.2.6 Will

Kreidler (1998:246) said that the modal verb will is a prediction. It is about statement. In the epistemic use, modals can be interpreted as indicating inference or some other process of reasoning involved in coming to the conclusion stated in the sentence containing the modal. The data are explained below

Data 1

By involving vocational schools in its certification program, Ahman said the ministry was aiming to certify 35,000 tourist workers by the end of 2016, double the number certified last year. The effort will also pave the way for Indonesia to lure 12 million international visitors this year, a step closer to the target set by President Joko "Jokowi" Widodo to attract 20 million international visitors per year by 2019, Ahman said. (D6, T9.25)

The quotation above describes the condition that the Minister, Ahman, the ministry of the vocational schools involved in the certification program, it aims to certify the 35,000 workers at the end of the 2016 tour. Ahman statement adds that this number represents a doubling of the number of workers certified tour last year. This is explained by Ahman that this effort will also pave the way for Indonesia to attract 12 million international visitors this year. He added that the move closer to the target set by President Joko Widodo to attract 20 million international visitors per year by 2019.

The data above is the statement by editor of the Jakarta Post. The first data of epistemic modality that use modal verb **will**. Different with deontic modality, the sentence is centered on the case. The sentence is paraphrased in the case effort involving vocational schools in its certification program can be predicted it pave the way for Indonesia to lure 12 million international visitors this year. The next data explained below.

Data 2

Meanwhile, Suratno, the principal of the SMK 6 vocational high school in Surakarta, Central Java, admitted that although the school taught English as a compulsory subject, not all his teachers grasped English at an advanced level.

This problem, however, has been solved with the availability of a language lab that helps students to study independently. The facility also offers basic Japanese courses.

"Through the teaching of languages, the students <u>will</u> have references to call on in their respective jobs in the future," he said. (D6, T9.25)

The above quotation is Suratno statement, the principal of SMK 6 vocational schools in Surakarta, Central Java. Suratno said that through language instruction, students will have a call in reference to their own jobs in the future. He acknowledges that although schools taught English as a compulsory subject, not all teachers understand English at an advanced level. According to Suratno this is a problem but it has however, been solved by the availability of language lab that

helps students to learn independently. He also added that this facility also offers basic Japanese language courses.

Second data above is the statement by Suratno, the principal of the SMK 6 vocational high school in Surakarta, Central Java. His statement shows modal verb **will** as epistemic modality. The modal verb **will** have meaning prediction. The sentence paraphrased that in the case through the teaching of languages, the students predicted have references to call on in their respective jobs in the future. The third data explained below.

Data 3

The zone-based approach will allow importers to bring in livestock or beef from zones that have received disease-free clearance regardless of the hygiene status of the country as a whole. The government also plans to set up a quarantine island for imported cattle from non disease-free countries. (D7, T9.00)

Statement above explained that the government take the zone-based approach will allow importers to bring cattle or beef from the zones that have received permits regardless of the disease-free status of the overall state of cleanliness. The term is explained in a way that the government is planning to set up a quarantine island. This place will used to quarantine cattle imported from third countries are free of disease.

The data above is epistemic modality that use modal verb **will**. This data is epistemic modality because the sentence is about possibility. The editor use modal verb **will** to predict the case. The sentence can be paraphrased that it is possible for importers to bring in livestock or beef from zones that have received disease-free clearance regardless of the hygiene status of the country as a whole in this case is the zone-based approach. The writer also finds the fourth data is explained below.

Data 4

Indonesian drug manufacturers expect continued solid growth this year despite the moderate macroeconomic outlook.

The Indonesian Pharmaceutical Association (GP Farmasi) believes drugmakers in the country will see sales grow by around 10 percent this year to Rp 68 trillion (US\$5.2 billion) from Rp 62 trillion in 2015.

The industry has seen sales grow at an average annual rate of 11 percent over the last five years. (D7, T9.52)

The quotation above is about the condition that Indonesian drug manufacturers who expect continued solid growth. Indonesian drug manufacturers who expect continued solid growth this year despite the macro economic outlook is moderate. Indonesian Pharmaceutical Association (GP Pharmacy) believes drug manufacturers in the country will see sales grow about 10 percent this year to Rp 68 trillion (US \$ 5.2 billion) from Rp 62 trillion in 2015.

The industry has seen sales grow at an average annual rate 11 percent over the last five years.

Data above is epistemic modality that use modal verb will. Quotation of the statement of the editor above is about prediction. The case of the sentence is about The Indonesian Pharmaceutical Association (GP Farmasi) believes. The center of the sentence is in it case. So that it can be paraphrased that by the case by the Indonesian Pharmaceutical Association believes drugmakers in the country will see sales grow. The next data is modal verb would as epistemic modality are explained below.

4.1.1.2.7 Would

The modal verb will and would is the same kind but different using. The modal verb preferred in past sentence. As Kreidler (1998:246) stated that the modal verb will and would is a prediction. The data are explained below.

Data 1

The Energy and Mineral Resources Ministry's director general for electricity, Jarman, said on Thursday that the government and PLN aimed to decrease the use of petroleum-based fuel to 6.7 percent of total power generation, or equal to below 6 million kiloliters (kl), by the end of the year.

To ensure that petroleum-based fuel reliance continues to decrease, the government and PLN <u>would</u> make a hybrid plant which utilizes coal, as a base note, with gas, he said. (D1, T8.44)

The quotation above is a statement of The Energy and Mineral Resources Ministry's director general for electricity, Jarman. He stated that the government and PLN aim to reduce the use of petroleum-based fuels. The reduction will be targeted at 6.7 percent of total electricity generation, below or equal to 6 million kiloliters (kl), at the end of the year. His details to ensure that the dependency of petroleum-based fuels continues to decline, the government and PLN will make hybrid plants that utilize coal as the basic records, with gas.

The data above is first data of epistemic modality that use modal verb would. Modal verb occur because of the sentence want to shows a possibility of the statement. There are two cases, first is to ensure that petroleum-based fuel reliance continues to decrease, and second is as a base note, with gas. so that the statement want to say that the government and PLN possibly make a hybrid plant which utilizes coal in the case because to ensure that petroleum-based fuel reliance continues to decrease and as a base note with gas. The second data is explained below.

Data 2

On Thursday, PLN announced that electricity rates <u>would</u> decrease by around Rp 8 to Rp 12 per kilowatt hour (kWh) from this month because of the recent strengthening of the rupiah against the US dollar.

Low voltage households, including those with 1,300 watt capacity, will pay Rp 1,343 per kWh, a decrease of Rp 12 from Rp 1,355 in March. (D2, T10.39)

The quotation above is to explain the condition that the state-owned electricity company (PLN) announced electricity tariff rates will be reduced by around Rp 8 to Rp 12 per kilowatt hour (kWh). The provision will be planned to be realized starting this month. it is caused due to the recent strengthening of the rupiah against the US dollar. The efforts to conclude that the low voltage households, including those with 1,300 watt capacity, will pay Rp 1,343 per kWh, a decrease of Rp 12 from Rp 1,355 in March.

In the quotation above the writer finds modal verb **would** as epistemic modality. The sentence is built by the case that PLN announce on Thursday. The sentence centered on the case of the sentence. So that from it case, electricity rates predicted decrease by around Rp 8 to Rp 12 per kilowatt hour (kWh) from this month because of the recent strengthening of the rupiah against the US dollar. The third data as modal verb would as epistemic modality explained below.

Data 3

Since late last year, the government has issued a series of economic policy packages to boost the country's economic growth. New policies include the use of an online platform to process export and import permits, with aim to reduce dwell times to an average of 3 days by the end of next year.

Separately, Transportation Ministry secretary general Sugihardjo said the ministry would support the campaign in numerous ways, including by streamlining bureaucracy, expediting the process through an online system and possibly extending the expiration period for a number of permits. (D5. T8.43)

The quotation above said conditions since last year explaining that the government has issued a series of policy packages in order to encourage economic growth. The new policies are including the policy on the use of an online platform. The government's effort is an attempt to export and import clearance process, with the aim to reduce dwell times to an average of three days by the end of next year. On the other hand, Sugihardjo, the General Secretary Transportation Ministry stated that the ministry will seek to support the campaign to promote it in various ways, including by streamlining bureaucracy, accelerating the process through the online system and may extend the shelf life to several permits.

The quotation above is statement by the editor of Jakarta Post.

The last data above is epistemic modality that use modal verb **would**.

The word separately is representing the case of the sentence. The

meaning of the separately is about new policies include the use of an online platform to process export and import permits. So that it case made statement that the ministry is possibly to support the campaign in numerous ways. The next data is the only one data that represent modal verb might, is explained below.

4.1.1.2.8 Might

Kreidler (1998:243) stated that the past tense form of may is might, which sometimes expresses permission at some time in the past, but usually only in reported speech. This identically is the reason that the modal verb might have closed meaning with modal verb may that as to show probability. The data are explained below.

Data 1

When contacted, Bank Central Asia (BCA) chief economist David Sumual and Bank Danamon chief economist Anton Hendranata said that they lauded the revisions.

David said that the government had finally embraced a more realistic view regarding its targets. "Operational spending cuts are necessarily important because the government just doesn't have enough money."

However, in Anton's view, further cuts <u>might</u> be needed because the 2.5 percent budget deficit estimate was still too close to the 3 percent legal limit. (D8, T9.34)

In the quote above, Bank Central Asia (BCA) chief economist

David Sumual and Bank Danamon chief economist Anton Hendranata

explain the condition that they praised the revision. David said that the government has finally embraced a more realistic view of the intended target by the official. Operational expenditure-cutting efforts are certainly important because the government simply does not have enough money. However, in view of Anton, further cuts may be necessary because of a 2.5 percent budget deficit estimates are still too close to the legal limit of 3 percent.

The data that use modal verb **might** above is clearly as epistemic modality. Quotation above is only one data the writer finds that use word **might** as modal verb. **Might** is representing possibility. So that the statement can be paraphrased in the case of Anton's view, further cuts are possibly be needed because the 2.5 percent budget deficit estimate was still too close to the 3 percent legal limit. In next the writer finds negative modal verb as epistemic modality are explained below.

4.1.1.2.9 Can Not

Negativity applies to the modal verb can. Possibility that is subject-centered is expressed with the modal verbs can. Kreidler (1998:243) stated that if the potential for an act is entirely in the subject, modal verb can is used. In contrast, the modal verb can is used

as modal verb may although the modal verb may is preferred. The data is explained below.

Data 1

The ministry's director general for oil and gas, IGN Wiratmaja Puja, said his office would soon propose the idea to the House of Representatives.

Wiratmaja said as soon as the gas pipes started operating in those regions, the consumption of LPG canisters would decrease drastically because the gas distributed through pipelines is much cheaper than the LPG canisters.

"LPG consumption decreases as soon as gas pipes are installed. However, since there aren't many pipelines, the effects <u>can't</u> be immediately felt. We'll be able to see the difference once hundreds of thousands or even millions of households switch to pipeline natural gas," he said. (D9, T10.57)

Statement made by the above condition that the government is working to gradually reduce the distribution of subsidized liquefied petroleum gas (LPG) canisters and use the gas subsidy for the construction of gas pipelines to reach more residential areas. Ministry director general for oil and gas, IGN Wiratmaja Puja says that as soon as the gas pipeline began operating in the area, the consumption of LPG will decrease drastically because of piped gas is much cheaper than LPG. Wiratmaja clear that it will soon propose the idea to the House of Representatives. LPG consumption decreased immediately after the gas pipeline being installed. However, because there are not many pipelines, the effect could not be immediately felt. We will be

able to see the difference after hundreds of thousands or even millions of households switch to natural gas pipeline

The data that represent negative modal verb above is kind of epistemic modality. The modal verb written in abbreviation made from word **can** and word **not**. The center of the sentence is on the case. There is the case that said by the speaker is there aren't many pipelines. So that the speaker predict that the effect is possible to be immediately felt. The next data as negative modality is explained below.

4.1.1.2.10 Should Not

Negativity applies to the modal verb should. Kreidler (1998:241) explain that modal verb should is express obligation but weaker than must. Other speakers of English may well have a different ranking. Depend on the text and context the modal verb **should** can express an opinion that means prediction. The data is explained below.

Data 1

Transportation Ministry director general for air transportation Suprasetyo said he expected the new equipment and the installment of the latest navigation technology to minimize accidents.

"Air transportation leaves no room for mistakes," he said. "An accident such as the one that occurred at Halim <u>should not</u> be repeated," said Suprasetyo, referring to the ground collision between a

Batik Air Boeing 737-888 and a TransNusa Air ATR turboprop at Halim Perdanakusuma Airport on Monday. (D7, T9.55)

Quotations include statements above are made by Transportation Ministry director general for air transportation Suprasetyo. In his explanation he said that he expected the new equipment and the latest installment of the navigation technology aims to minimize accidents. In view of frequent air accidents lately making air transport company officials leave no room for error. Referring to the ground collision between a Batik Air Boeing 737-888 and a TransNusa Air ATR turboprop at Halim Perdanakusuma Airport on Monday, Suprasetyo ensure that accidents like that happen in Halim does not have to be repeated

In the data above there is negative modal verb **should**. The negative modal verb occurs as epistemic modality. The center of the sentence is on the case. The case is that accident such as the one that occurred at Halim. So that the speaker state that it possibly is not to be repeated. The next data are modal verb will as negative modality that explained below.

4.1.1.2.11 Will Not

Negativity applies to the modal verb will. The modal verb will can in some case can had 100 percent probability. Kreidler (1998:246) said that it is a prediction. The data are explained below.

Data 1

Indonesian drug manufacturers expect continued solid growth this year despite the moderate macroeconomic outlook.

The Indonesian Pharmaceutical Association (GP Farmasi) believes drugmakers in the country will see sales grow by around 10 percent this year to Rp 68 trillion (US\$5.2 billion) from Rp 62 trillion in 2015.

The industry has seen sales grow at an average annual rate of 11 percent over the last five years.

"Our target is not too high, because we think the economy will not fully recover yet this year," GP Farmasi deputy secretary-general Kendrariadi Suhanda said on Wednesday. (D7, T9.52)

The quotation above describes the condition that Indonesia expects drug manufacturers continue to be solid growth this year despite the macro economic outlook is moderate, which means just walking like without its challenges. Indonesian Pharmaceutical Association (GP Pharmacy) believes drug manufacturers in the country will see sales grow about 10 percent this year to Rp 68 trillion from Rp 62 trillion in 2015. This industry has seen sales grow at an average annual rate of 11 percent over five years last. So that the GP Pharmaceutical deputy secretary-general stated that Kendrariadi

Suhanda Reviews their target is not too high, because they think the economy will not fully recover yet this year

The data above is epistemic modality. There is negative modal verb **will**. The negative modal verb occurs as statements that have meaning as prediction for the future. Depend on the case that he thought about target is not too high, the speaker state that the economy predict is not fully recover yet this year. The data that represent modal verb would as negative modality is explained below.

4.1.1.2.12 Would Not

Negativity applies to the modal verb would. The modal verb will and would is the same kind but different using. The modal verb preferred in past tense. As Kreidler (1998:246) stated that the modal verb will and would is a prediction. The data is explained below.

Data 1

The decrease in costs should make locally produced medicine cheaper, which in turn should increase demand for local pharmaceutical products and contribute to rising sales.

However, the industry expects this to be a long process that <u>would not</u> have any impact on sales this year. (D7, T9.52)

The quote above describes the condition that the decline in costs should be made of locally produced drugs cheaper. It is

according to the explanation editor that in turn will increase the demand for local pharmaceutical products and contribute to the increase in sales. The editor added the statement that the local drug industry expects this will be a long process that will not have an impact on sales in this year.

The data above represent negative modal verb **would**. The negative modal verb **would** occur as epistemic modality. It is about possibility that the editor make. There is written from the case that the editor had that the industry expects this to be a long process, it possibly have not any impact on sales this year. After finding all kinds of modal verbs as modality, the writer begins gets the function in modal verb as modality. The functions are explained below.

4.1.2 The Function of Modality

After finding the kinds of modality, the writer begins to find the function of the modality. Modality deals with the meaning in text. These are the modality effect achieved by the selection of modal verbs. The set of modal verbs express different degrees of obligation, necessity, and different degrees of possibility or probability. Occurrence of not with a modal verb may negate the modal verb itself or the content of the following proposition (Kreidler,

1998:247). It concerns the way in which modality items related to each other and to other modality devices so that textual continuity is created. By using modality device for analyzing the data, the writer finds the function in each kind of modality words. The functions are explained below.

4.1.2.1. Deontic Modality

4.1.2.1.1 Can

Data 1

"....We <u>can</u> then upload (the payment receipts) online," she said on Monday. (D5, T8.43)

In the first data above the writer finds the function of the modal verb **can** as obligation. The word **can** above is modal verb as deontic modality. The center of the sentence is on the subject of the sentence. We as the subject of the sentence obligate to upload the payment receipts online. Function of the second data is explained below.

Data 2

"....We <u>can</u> figure out whether or not we really need to provide more than 75,000 kl (of Premium) a day," Wianda said. (D7, T9.02)

In the second data the writer finds function of the using of modal verb as necessity. In the statement above the writer underlined the word **can** as modal verb. Subject we above is the center of the sentence. So that it statement can be paraphrase we need to figure out

whether or not we really need to provide more than 75,000 kl (of premium) a day. The next data is function of the third data is explained below.

Data 3

"I <u>can</u> help my husband, who works as farmer, to provide additional family income," she said. (D7, T9.48)

Function that the writer finds in the data above is necessity. Modal verb **can** in quotation above make the sentence centered on the subject of the sentence. "I" as the subject of the sentence. So that the statement can be paraphrased that the subject I above need to help her husband, the writer finds next function is explained below.

Data 4

"We hope we <u>can</u> lead the MPV market this year with share of 38 to 40 percent," said KTB's head of sales and marketing division, Imam Choeru Cahya. (D8, T9.43)

In the last data that represent deontic modality that use modal verb **can** above have function as necessity. The statement above is parallel sentence so that why it have repetition subject. Although there is the case in the first of the sentence, but it cannot disturb the subject as the center of the sentence. The next data is function from modal verb must are explained below.

4.1.2.1.2 Must

Data 1

Indonesia <u>must</u> equip its foreign language education curriculum with better facilities and competent instructors to produce a qualified workforce to support its growing tourist sector, officials and educators have suggested. (D6, T9.25)

In the data above the writer finds function the modal verb **must** as obligation. The modal verb occurs after subject. Indonesia as the subject followed by modal verb **must**. So that the data can be said that to produce a qualified workforce to support its growing tourist sector, officials and educators, Indonesia obligate to equip its foreign language education curriculum with better facilities and competent instructors. The next function is explained below.

Data 2

The government, together with the Financial Services Authority (OJK), <u>must</u> also make efforts to make the financial sector be more inclusive in order to open wider funding access for projects run by private investors, Priasto said. (D7, T8.58)

The second data that represent modal verb **must** above have function as obligation. There are two subjects the government and Financial Services Authority (OJK). The subject both are as center of the sentence. So that it sentence said that the subject obligate to make efforts to make the financial sector be more inclusive in order to open

wider funding access for projects run by private investors. The writer find function the next data is explained below.

4.1.2.1.3 Should

Data 1

In addition to the fact that growth varies between regions, we <u>should</u> seriously consider that the current global economic conditions have changed in the last five years, as indicated by the continued decline of commodity prices since 2010. (D6, T9.11)

The data as deontic modality above have function as obligation. There is "we" as the subject and also as the center of the sentence. The sentence said that we obligate to seriously consider that the current global economic conditions have changed in the last five years. The second data of function from modal verb should as deontic modality is explained below.

Data 2

In order to support sustainable economic growth in the future, considering global economic changes and the abundance of resources in our region, we <u>should</u> modify our economic growth policy from a commodity-based policy to an industrialization-based one. (D6, T9.11)

There is modal verb **should** in the quotation above. The modal verb **should** have function as necessity. The quotation says that we (as reader) are need to modify our economic growth policy from a commodity-based policy to an industrialization-based one. The writer

finds another function of modal verb should as deontic modality is explained below.

Data 3

First, the government <u>should</u> pay more attention to regions with low economic growth, including provinces in Sumatera and Kalimantan. (D6, T9.11)

There is modal verb in the sentence above that have function as necessity. The modal verb **should** occur right after the subject. So that center of the sentence is on the subject. The sentence says that the government is need to pay more attention to regions with low economic growth. The fourth data of function in modal verb should as deontic modality is explained below.

Data 4

"I think Indonesians should start to follow Malaysia in eliminating nonstandardized fuel," he said. (D7, T9.02)

The last data that represent modal verb **should** above have function as obligation. The statement above made by the executive director of the Committee for the Phasing Out of Leaded Fuel (KPBB). Ahmad Syafrudin says that Indonesia obligate to start to follow Malaysia in eliminating nonstandardized fuel. The other modal verb that the writer find its function is explained below.

4.1.2.1.4 Will

Data 1

The government <u>will</u> support the new marketing strategy by providing a buyer's credit facility if countries such as Bangladesh and Egypt do not have enough money to pay all at once, he explained. (D4, T9.24)

The first data that represent modal verb **will** above have function as necessity. Modal verb **will** occur right after the subject the government. The data above explains that PT. INKA need that the government to support the new marketing strategy by providing a buyer's credit facility. The second data of function is explained below.

Data 2

"We <u>will</u> try to penetrate non-traditional markets such as Russia, Eastern Europe, Pakistan, India and maybe Africa," he said. (D4, T9.24)

The second data that represent modal verb **will** as deontic modality above have function as necessity. The subject we that Trade Minister Thomas Lembong mean is the government. Thomas Lembong needs that the government needed to try to penetrate non-traditional market such as Russia, Eastern Europe, Pakistan, India and Africa. The third function that the writer finds is explained below.

Data 3

The government will assess a complaint filed by Brazil with the World Trade Organization (WTO) that accuses Indonesia of hampering the import of beef from the South American country. (D7, T9.00)

The last data that represent modal verb **will** as deontic modality above have function as necessity. Modal verb **will** occur right after the subject the government. So that center of the sentence is on the subject. The sentence says that the government needed to assess a complaint filed by Brazil with the World Trade Organization (WTO) that accuses Indonesia of hampering the import of beef from the South American country. The next function that the writer explained below is from negative modal verbs as epistemic modality.

4.1.2.1.5 Can Not

Data 1

"We <u>cannot</u> kill an instrument just because we are traumatized by a past crisis," Agus said. (D9, T10.59)

The writer find function the negative modal verb as expressing an opinion about a fact. There is the evidence that the speaker had is the cause the speaker give an opinion. The evidence that the speaker had is a promissory note is a written instrument of a lending transaction with detailed information on the size of loan, repayment period, and interest rate. It made the speaker stating an opinion that we

(as the subject) obligate not to kill an instrument just because we are traumatized by a past crisis. The second data as negative modal verb is explained below.

4.1.2.1.6 Could Not

Data 1

Aaron later learned that although there were 7,700 hectares of cashew trees in Ban, a remote subdistrict located in the northeastern part of the popular resort island, local farmers <u>could not</u> fully tap the potential of the product as they directly sold newly harvested cashews to India and Vietnam, which processed them further into various ready-to-eat products. (D7, T9.48)

The writer find negative modal verb above had a function as necessity. The modal verb **could** occur as negative being **could not**. The editor state that local farmers are necessity to fully tap the potential of the product. After found function of the negative modal verb could, the writer explained function of the negative modal verb will below.

4.1.2.1.7 Will Not

Data 1

"Our target is not too high, because we think the economy will not fully recover yet this year," GP Farmasi deputy secretary-general Kendrariadi Suhanda said on Wednesday. (D7, T9.52)

In the data above the writer find function as controlling a possible action. The speaker had evidence that he thought the target is not too high. So that from it fact the speaker state that he think the economy will not fully recover yet this year. After finds the functions the data as deontic modality, the writer finds function the data as epistemic modality are explained below.

4.1.2.2 Epistemic Modality

4.1.2.2.1 Can

Data 1

"This <u>can</u> be a solution for remote areas, especially those in the east.....," Iwan said. (D1, T8.44)

The first data that represent epistemic modality above have function to controlling a possible action. The person that said this statement wanted to giving solution. Iwan Agung Firstantara, the newly appointed CEO of PLN subsidiary PT Pembangkitan Jawa-Bali (PJB) giving solution for remote areas, especially those in the east. The second data explained below.

Data 2

"The investors have the money but (on the other hand) they need ready-to-execute infrastructure projects so they <u>can</u> start construction quickly," he said on the sidelines of a seminar in Central Jakarta on Wednesday. (D7, T8.58)

The second data as epistemic modality above have function as controlling a possible action. The center of the sentence is on the case that the investors have the money but on the other hand they need ready-to-execute infrastructure projects. This statement can be said that Asian Development Bank (ADB) economist Priasto Aji wanted to giving solution for the investor is possible to start construction quickly. The third data explained below.

Data 3

Starting with 130 workers, the company <u>can</u> now provide jobs for 350 local people; 85 percent of them are women who used to be unemployed. (D7, T9.48)

Quotation above is the third data as epistemic modality that have function as stating it as a fact. The case of the sentence as evidence is starting with 130 workers. The subject the company is not the center of the sentence because there is the case that makes the reader focus on. So that with knowing the fact for certain that starting with 130 workers, the editor stating it as a fact that the company now

provide jobs for 350 local people in the middle village in Bali. The last data that represent modal verb can is explained below.

Data 4

A bank that holds a promissory note <u>can</u> also put the instrument up for sale to other banks or investors and even use it as security for a repurchase agreement. (D9, T10.59)

The next data above is quotation that there is a modal verb can that have function as controlling a possible action. The fact that became a case by BI Governor Agus Martowardojo said that promissory notes would be one instrument that the authorities planned to reinstate after the policy harmonization. So that the editor wanted to deliver possible action that a bank that holds a promissory note can also put the instrument up for sale to other banks or investors and even use it as security for a repurchase agreement. The next function that the writer explained is from modal verb could as epistemic modality.

4.1.2.2.2 Could

Data 1

Previously, the process to obtain a ship certificate <u>could</u> take up to a month, as applicants had to repeatedly visit the ministry to check on the progress of their application, Marthalia explained. (D5. T8.43)

The data that is stated by the editor above have function as stating it as a fact. The certain fact is that the process to obtain a ship

certificate could take up to a month. So that in this case, as applicants had to repeatedly visit the ministry to check on the progress of their application. The second data that the writer finds it function is explained below.

Data 2

"We are looking at the second semester. We hope this year car sales <u>could</u> move back to the pre-2015 level," I Gusti Putu Suryawirawan, director general for metal, machinery, transportation equipment and electronic industries, said at the opening of the auto show on Thursday. (D8, T9.43)

Statement above made by director general for metal, machinery, transportation equipment and electronic industries that have function as a controlling a possible action. The center of the sentence is on the case that hoping on this year. I Gusti Putu Suryawirawan giving hope that this year car sales is move back to the pre-2015 level. The next function explained below.

Data 3

Sunu also said the company's performance so far this year <u>could</u> be seen as an "encouraging sign", as it had managed to record an average load factor of 80 percent throughout the first quarter, which is also considered the low season. (D8, T9.51)

Data above have function as expressing an opinion about a fact. The data that represent modal verb **could** as epistemic modality.

On the evidence that as it had managed to record an average load

factor of 80 percent throughout the first quarter, the statement wanted to express an opinion that the company's performance so far this year could be seen as an "encouraging sign". After find function modal verb could, the writer finds function from modal verb may are explained below.

4.1.2.2.3 May

Data 1

Taxpayers' money may have been misused for years following a discovery that only a fifth of approximately 22 million subscribers with 900 watt electricity capacity installed in their homes are qualified for the power subsidies they are currently receiving. (D2, T10.39)

In the data above there is modal verb **may** that have function as controlling a possible action. The speaker decides how certain something is. They predict or speculate about a fact that only a fifth of approximately 22 million subscribers with 900 watt electricity capacity installed in their homes are qualified for the power subsidies they are currently receiving. So that the speaker predict that Taxpayers' money possibly have been misused for years following a discovery. The second data is explained below.

Data 2

"Those who feel that they still deserve to use the subsidized plan <u>may</u> apply for it from the Home Ministry through their local administration....," he said. (D2, T10.39)

The data above is represent modal verb **may** that have function as controlling a possible action. Modal verb **may** above is kind of epistemic modality. The speaker wanted to give a permission that those who feel that they still deserve to use the subsidized plan may apply for it. The next data that represent function of modal verb may as epistemic modality is explained below.

Data 3

Wianda said rising personal income <u>may</u> also have contributed to increased Pertalite sales. (D7, T9.02)

The data as statement by Pertamina spokesperson Wianda Pusponegoro above have function as controlling a possible action. It is about giving a prediction. Possibility that Wianda was created because of the evidence that she had. Wianda said rising personal income possibly have contributed to increased Pertalite sales. The writer explained function of the fourth data below.

Data 4

The involvement of skilled engineers is the key to the development of the onshore project, as experts have raised concerns about technical issues that <u>may</u> arise in the country's most important deepwater gas project, including those stemming from the presence of an ocean trench between gas reserves. (D7, T9.10)

In the data that there is modal verb **may** above have function as controlling a possible action. The speaker wanted to give a possibility by the fact. Beginning of the fact that the involvement of skilled engineers is the key to the development of the onshore project, as experts have raised concerns about technical issues that have possibility to arise in the country's most important deepwater gas project. The next function of the other modal verb explained below.

4.1.2.2.4 Must

Data 1

".....In principle, we <u>must</u> continue to support downstream activities," he said. (D8, T9.42)

The only one data that represent modal verb **must** as epistemic modality above have function as expressing an opinion about a fact. The speaker wanted to give an opinion because the evidence that he had. A fact that the government have all agreed to continuously assess the smelter development to fulfil the industry's needs, so that the speaker give opinion to continue to support downstream activities. After the writer explained function of the modal verb must as

epistemic modality above, the function of the other modal verb is explained below.

4.1.2.2.5 Should

Data 1

"In principle, subsidized electricity should only be given to those who deserve it but the joint ministry, PLN and TNP2K survey showed that this was not so. (D2, T10.39)

In the data above the writer finds function modal verb should as expressing an opinion about a fact. It can happen because of the evidence that the speaker. The evidence is PLN's electricity consumption nationwide is predicted to grow by 6 percent to 226 TWh. Those who feel that they still deserve to use the subsidized plan may apply for it from the Home Ministry through their local administration. So that the Ministry's Director General for Electricity, Jarman stated that subsidized electricity should only be given to those who deserve it. The second data explained below.

Data 2

"The new system should be a breakthrough to ease the process," she added. (D5. T8.43)

In the data that represent modal verb **should** above, the writer finds function as expressing an opinion about a fact. The evidence that

the speaker state is under the previous online information management system, an applicant also had to submit several documents in hard copy instead of uploading them to the system. So that this statement said that the speaker give opinion to make the reader believe that the new system be a breakthrough to ease the process. The third data that the writer finds it function is explained below.

Data 3

"But there should be a deadline for the regulator to make a decision, and with a system and independent body to monitor the program closely," she said. (D5. T8.43)

In the data above the writer finds function as expressing an opinion about a fact. The modal verb **should** occur to show that center of the sentence is on the case. In the case that the online program should expedite the process, the speaker wanted to giving an opinion that it case is should be a deadline for the regulator to make a decision, and with a system and independent body to monitor the program closely the last data function of the modal verb should is explained below.

Data 4

The commodity price drop <u>should</u> be a good moment for Indonesia to revitalize its industrial sector. (D6, T9.11)

Quotation that represents the data as epistemic modality above had function as expressing an opinion about a fact. An opinion that the editor make because a fact that Indonesia is a little bit luckier than Brazil and Russia, which are also very dependent on the commodities sector. So that the editor stated that the commodity price drop are possible to be a good moment for Indonesia to revitalize its industrial sector. The next data is modal verb will as epistemic modality is explained below.

4.1.2.2.6 Will

Data 1

The effort will also pave the way for Indonesia to lure 12 million international visitors this year, a step closer to the target set by President Joko "Jokowi" Widodo to attract 20 million international visitors per year by 2019, Ahman said. (D6, T9.25)

The data that there is modal verb **will** above have function as controlling a possible action. Ahman Sya, the Tourism Ministry's deputy for institutional development predict to control reader thought with his statement that as a possibility action. Ahman state that the effort by the government is predicted that it pave the way for Indonesia to lure 12 million international visitors this year. The second data explained below.

Data 2

"Through the teaching of languages, the students <u>will</u> have references to call on in their respective jobs in the future," he said. (D6, T9.25)

In the data above the writer finds function as controlling a possible action. The speaker above is trying to make the reader believe. In the case that through the teaching of languages, the speaker stated a possibility that the students will have references to call on in their respective jobs in the future. The third data that explained the function is below.

Data 3

The zone-based approach <u>will</u> allow importers to bring in livestock or beef from zones that have received disease-free clearance regardless of the hygiene status of the country as a whole. (D7, T9.00)

The writer find function the modal verb **will** as expressing an opinion about a fact. There is a fact about the new ruling is said to allow cattle or meat imports based on disease-free zones. It is evidence that the editor had. So that from it case the editor give opinion that the zone-based approach predicted it will allow importers to bring in livestock or beef from zones that have received disease-free clearance regardless of the hygiene status of the country as a whole. The fourth data explained below.

Data 4

The Indonesian Pharmaceutical Association (GP Farmasi) believes drugmakers in the country <u>will</u> see sales grow by around 10 percent this year to Rp 68 trillion (US\$5.2 billion) from Rp 62 trillion in 2015. (D7, T9.52)

In the data above the writer finds function as controlling a possible action. The editor is giving the reader a statement. There is numbering that makes the statement concrete. In the case that the Indonesian Pharmaceutical Association (GP Farmasi) believes, the editor stated that drugmakers in the country will see sales grow by around 10 percent this year to Rp 68 trillion (US\$5.2 billion) from Rp 62 trillion in 2015. The next data is modal verb would as epistemic modality is explained below.

4.1.2.2.7 Would

Data 1

To ensure that petroleum-based fuel reliance continues to decrease, the government and PLN <u>would</u> make a hybrid plant which utilizes coal, as a base note, with gas, he said. (D1, T8.44)

The data that represent modal verb **would** above have function as controlling a possible action. In the case that the government wanted to ensure that petroleum-based fuel reliance continues to decrease, the Energy and Mineral Resources Ministry's director general for electricity Jarman give statement based on it evidence that

he had. By it evidence, Jarman stated that the government and PLN would make a hybrid plant which utilizes coal. The second data is explained below.

Data 2

On Thursday, PLN announced that electricity rates <u>would</u> decrease by around Rp 8 to Rp 12 per kilowatt hour (kWh) from this month because of the recent strengthening of the rupiah against the US dollar. (D2, T10.39)

The function that the writer finds on the data above is modal verb as controlling a possible action. Modal verb **would** as epistemic modality above occur by the case about announcement. PLN give announce that electricity rates predicted decrease by around Rp 8 to Rp 12 per kilowatt hour (kWh) from this month because of the recent strengthening of the rupiah against the US dollar. The third data as modal verb would is explained below.

Data 3

Separately, Transportation Ministry secretary general Sugihardjo said the ministry would support the campaign in numerous ways, including by streamlining bureaucracy, expediting the process through an online system and possibly extending the expiration period for a number of permits. (D5. T8.43)

The last data that represent modal verb **would** above have function as controlling a possible action. There is word separately in the beginning sentence explain that the Transportation Ministry secretary general, Sugihardjo had stated a fact and wanted to give other statement. Transportation Ministry secretary general Sugihardjo predicted that the ministry would support the campaign in numerous ways. The next data represent modal verb might, the writer finds function is explained below.

4.1.2.2.8 Might

Data 1

However, in Anton's view, further cuts <u>might</u> be needed because the 2.5 percent budget deficit estimate was still too close to the 3 percent legal limit. (D8, T9.34)

The only one data that represent modal verb **might** above the writer finds function as expressing an opinion. There is the case in Anton's view. In it case the editor said that further cuts possibly needed because the 2.5 percent budget deficit estimate was still too close to the 3 percent legal limit. After explained functions of modal verb as deontic modality and epistemic modality above, next the writer explained functions negative modality below.

4.1.2.2.9 Can Not

Data 1

"LPG consumption decreases as soon as gas pipes are installed. However, since there aren't many pipelines, the effects <u>can't</u> be immediately felt....," he said. (D9, T10.57)

In the data above the writer finds function as controlling a possible action. The speaker wanted to give statement of consequence that possible be. There is a fact that there aren't many pipelines. So that the speaker state that the effects can't be immediately felt. The next data represent negative modal verb should is explained below.

4.1.2.3.3 Should Not

Data 1

"An accident such as the one that occurred at Halim <u>should not</u> be repeated," said Suprasetyo, referring to the ground collision between a Batik Air Boeing 737-888 and a TransNusa Air ATR turboprop at Halim Perdanakusuma Airport on Monday. (D7, T9.55)

The function that the writer had in the data above is as controlling a possible action. The speaker gives possibility because of the evidence. So that depend on a fact that an accident such as the one that occurred at Halim, the speaker state a possibility it is not be repeated. The next data is negative modal verb will is explained below.

4.1.2.3.4 Will Not

Data 1

".....We will not cut it completely, just reallocate it," he said on Thursday. (D9, T10.57)

In the data above the writer finds a function as negative necessity. There is negative modal verb will in the statement. The speaker wanted to state that it is not necessity to cut it completely, and then the speaker add an opinion that it just necessity to reallocate. After explained negative modal verb will, the writer is explained negative modal verb would below.

4.1.2.3.5 Would Not

Data 1

However, the industry expects this to be a long process that <u>would not</u> have any impact on sales this year. (D7, T9.52)

The data that there is negative modal verb **would** above have function as controlling a possible action. The editor give a possible ability but in negative. So that on the evidence that the industry expects this to be a long process, that possibly have not any impact on sales this year.

From these findings, the writer concludes that a text not only has to be in good form. But also has to be a meaningful. It means that

the modality word is a form that helps the reader to understand of each meaning in text and context.

4.2 Discussion

After finding the kinds and functions of modality, the writer concludes that many items of modal words used in the Business Articles of the Jakarta Post e-Newspaper. In each kind of Deontic Modality and Epistemic Modality items has meaningful modal word that give many function of it.

Through this table, the writer shows how many items of modal verbs as modality that appeared in all data that has explained in finding.

Number	Modal Verbs	Kinds of Modality		Total
		Deontic	Epistemic	10111
1	Can	5	5	10
2	Could	1	3	4
3	May	-	4	4
4	Must	2	1	3
5	Should	4	5	9
6	Will	4	5	9
7	Would	-	4	4
8	Might	-	1	1
Final Total		16	28	44

Based on the table above, we can know the total kinds of modal verbs that appear in the Business articles of the Jakarta Post e-newspaper are 8 kinds of modal verbs. The frequency of the modal verb can are 10 (22,7%), while modal verb should and will are 9 (20,45%), modal verb could, may, and would are 4 (9%), modal verb must is 3 (6,8%), and the last is modal verb might is 1 (2,27%). The total of the deontic modality is 16 (36,36%), while the total of the epistemic modality is 28 (63,63%), and the final total of all modal verbs are 44 (100%).

The frequencies above explain that modal verb <u>can</u> are more dominant from other modal verbs occur and followed by modal verbs <u>should</u> and <u>will</u>. It is explain that most statement of modality in the Business articles are used those modals to construct the statements. In those finding the writer also finds that statements that used kind modal verb of epistemic modality are more dominant than modal verb of deontic modality. It is explain that most of statements of modality are focuses on the context of the sentence than the subject of the sentence. It means that there is specific differences in modality items that used by the editor and the speaker in the Business articles. The writer also finds several functions of modal verb of deontic modality and epistemic modality as controlling a possible action. It explains that the speakers and the editors are using these modal verbs as meant to support the statement of prediction.

In the previous study that explained in chapter two, there are three writers that concern to study about modality. First study has written by Zdenka Smutná

(2010). In his bachelor paper analyzed about the use of the modal verb can in newspaper reporting. The paper consists of two parts, a theoretical part and an analysis. The main focus of the theoretical part is on epistemic and deontic kinds of modality and the modal verb can and its meanings. Second study has written by Gbegble Nada (2012). He has analyzed modality in Ewe about a functional exploration of epistemic adverbs. This paper has offered a descriptive overview of the different epistemic adverb in the Ewe language. Third study has written by local research Susi Susilowati (2012). She has analyzed modality realized in education article in Jakarta Post. She used the descriptive qualitative as the design of her research. Whereas, the data of her research is modality and the data source of this research is written data taken from the education article in Jakarta Post. However, the scope is different from previous studies that the writer has not found about the research that took the data from business articles by using modality before. In this research, the writer has analyzed modality focus on the modal verbs that used in the Business Articles in the Jakarta Post e-newspaper.

Therefore, explanations above are represents point of the reason that the writer want realize this study. Previous studies above are the reference that makes the writer of this study examines the modality. The gap is there are many objects that can be stimulated with this theory but just in Business article the modality theory is matches. The reason is in Business article there can be contains a statement of prediction that is the case that can be analyzed with modality theory.