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Second, the research entitled "*Engagement in Online Collaborative Learning: A Case Study Using a Web 2.0 Tool*". It was done by Pao-Nan Chou and Ho-Huan Chen. This research discusses a Web 2.0 tool to promote student online collaborative learning. The objective of this study is to know the effect of wiki use on Taiwanese college students' collaborative learning. The subject of this study is college students majoring in information technology and management in Taiwan. This research uses qualitative research method. The result of this research show that the technological tool motivated students to engage in collaborative learning, and its use supports student learning but they poor in instruction for peer feedback and online reflection because each team focused on the design and development of the search engine.

Third, the research from Wenyi Zhou, Elizabeth Simpson and Denise Pinette Domizi with the title "*Google Docs in an Out-of-Class Collaborative Writing Activity*". This study discus about students experiences while using the Google Docs. The objective of this research is to assess the effectiveness of using Google Docs in an out-of-class collaborative writing activity through measuring the assignment's influence on students' learning experiences. The subject of this research is 35 students in Introductory Psychology at the University of Georgia. The method of this research is quantitative by using ANOVA. The result of this



research is most students were unfamiliar with Google Docs but students reported they would like to use Google Docs in the future. Besides that, 93% of students considered Google Docs a useful tool for group work. The researcher concluded that Google Docs was a useful tool for collaborative writing and influenced student learning.

Fourth, the research from Ornprapat Suwantarathip and Saovapa Wichadee with the title "*The Effects of Collaborative Writing Activity Using Google Docs on Students' Writing Abilities*". This research discuss about the use of Google Docs as a tool to do online collaborative learning can give effect of students writing abilities. The purpose of this research is examining undergraduate students' writing abilities as a result of using Google Docs for collaborative writing in a fundamental English course and also investigated students' attitudes towards collaborative writing activity using Google Docs. The subject of this study is 40 students in the first semester of 2013 academic year at a private university in Thailand. This study use quasi-experimental design. The result of this research is group of the students who use Google Docs gained higher mean scores than the students who working in groups in a face-to-face classroom (without Google Docs). The researcher concluded that students had positive attitudes toward collaborative writing activity and high collaboration in their groups using Google Docs. This previous research encourages the researcher to find more information about collaborative writing with Google Docs.



explores students' engagement and three levels of engagement namely behavior, emotion and cognitive. This research also analyzed the impact of such tools on all the three levels of engagement. Besides that, this research also explored the relationship between collaboration tools on each levels of students' engagement. The result of this research is about the kind of collaboration tools on students' engagement. Every levels of students' engagement have different collaboration tools. Besides that the finding of this research is to understand the teacher's role. Based on the result, the researcher conclude that there are several collaboration tools that can be used in learning process that related to students engagement and teacher can use the appropriate collaboration tools to increase students' engagement. This previous research encourages the researcher to find more the definition of engagements.

Therefore, the researcher concluded that the previous studies above have similarities and differences area of the research. Those previous studies become the resource and foundation to continue the current research about cognitive engagement in collaborative writing essay by using Google Docs. In this research, the researcher focused on the cognitive engagement of students when did collaborative writing essay through Google Docs and the challenges faced by students in collaborative writing through Google Docs.