



**THE EFFECTIVENESS OF BRAIN GYM METHOD TO
IMPROVE THE ENGLISH ACHIEVEMENT
OF THE FIRST YEAR STUDENTS' IN MTsN KRIAN,
SIDOARJO**

THESIS

Submitted in partial fulfillment of the requirement for the degree of
Sarjana Pendidikan Islam (S.Pd.I.) in teaching English

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By:

Azizatul Ummah
NIM D35208018

**ENGLISH EDUCATION DEPARTMENT
FACULTY OF TARBIYAH
STATE INSTITUTE OF ISLAMIC STUDIES
SUNAN AMPEL
SURABAYA**

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APPROVAL SHEET

This thesis by (Azizatul Ummah) entitled (The Effectiveness of Brain Gym to Improve The English Achievement of First Year Students' in MTs N Krian, Sidoarjo) has been approved by the thesis advisors for the further approval by the Board of Examiners.

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Advisor I



Prof. H. Arief Furgon, MA, Ph.D
NIP.150094096

Advisor II



Siti Asmivah, M.Tesol
NIP.197704142006042003

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This thesis by (Azizatul Ummah) entitled (The Effectiveness of Brain Gym to Improve The English Achievement of First Year Students' in MTs N Krian, Sidoarjo) has been approved by the thesis advisors for the further approval by the Board of Examiners.

Dean,



Drs. H. Nur Hamim, M.Ag
NIP.196203120991031002

The board of examiners
chairman,

Prof. H.Arief Furqon, MA, Ph.D
NIP.150094096

Secretary,

Rizka Safriyani, M.Pd.
NIP.19840914200912200

Examiner I

Dra. Arbaiyyah YS, MA.
NIP. 196405031991032002

Examiner II,

Nur Fitriatin, M.Ed.
NIP. 196701121997032001

C. Objective of the Study

According to the research question above, the objective of the study is to know the effectiveness of brain gym to improve students' English achievement among the first year students' of MTs N Krian, Sidoarjo.

D. Significance of the Study

For researcher the result of the research is expected to give benefit that Brain Gym method is effective to teach English. For teacher, the result of this research can be used as a reference that brain Gym method is effective to improve students' English achievement. For reader, the result of this research can enrich knowledge about the effectiveness of Brain Gym method to teach English

E. Scope and Limitation of the Study

This study only focuses on investigating whether Brain Gym method more effective than traditional method in improving students' English achievement among the first year students' of MTs N Krian, Sidoarjo

vi. Footlex

This movement will assist in switching on the expressive verbal and written language areas of the brain. Bring foot up to opposite knee and grasp behind the knee, the calf and ankle as you slowly point and flex the foot. End by gently massaging the foot and toes with hand.

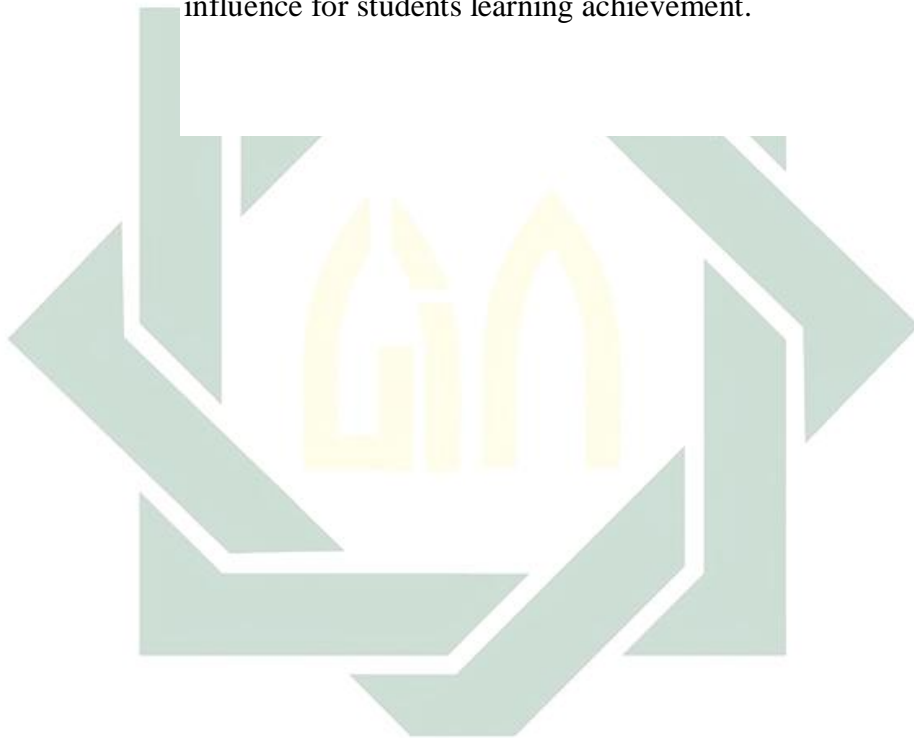
vii. Energy Yawn

Energy yawn is one of the Brain Gym exercises that relieves the stress that interferes with learning and performance. The steps are:

- a) Stand, sit, or lay down face up.
- b) Place the middle and pointer fingers of both the left and right hands on the left and right jaw muscles respectively. To find the jaw muscles you can first find the corner bone of the jaw that joins together, then move your fingers in a bit while pressing gently. When you feel tight muscle you know you're in the right place.
- c) Rub your jaw muscles with just enough pressure to feel a massage while opening your jaw in a wide, long yawning motion. You may even feel yourself yawning as you do this, it's a natural response. Close the jaw gently after the long yawn.
- d) Repeat step 3 two more times or until the movement feels complete.

d. School Time and Discipline

The best time for learning process is in the morning because students condition still optimal in the morning.²⁷ If learning process is in the afternoon, students' condition is not optimal anymore to learn. Besides that discipline also give influence for students learning achievement.



²⁷ Ibid, 223

review the last lesson, and Brain Gym method (*Thinking Cap*, *Cross Crawl*). Researcher introduces Brain Gym movements and the benefit of Brain Gym movement to the students. Then, researcher practice *Thinking Cap* movement in front of the students. For the first time the students got Brain Gym movements. A student (BP), who sits in the corner, does not follow the movement, but after he looks at his friends he wants to practice *thinking Cap* movement. After students could practice the movement the researcher continue to the next movement was *Cross Crawl* movement. It seems like childish movement, the students feel happy during do the Brain Gym movements. The treatment did about 15 minutes in the start of the lesson. The two movements, *Thinking Cap* and *Cross Crawl*, could improve listening and speaking skill. For this meeting, the material was about listening skill. Students more active follow teacher's instruction than before.

ii. Second Treatment

Second treatment was conducted on July 24 2012. The lesson was started by pre activities: pray together, check the students absent, review the last lesson, and Brain Gym method (*The Elephant* and *Hook-Ups*). The researcher gave the *Elephant* movement. All of the students follow the elephant movement. The researcher repeats the Elephant movement twice. Students can do the movement by their selves. Then,

F. Research Variable

“The independent variable is variable that influence dependent variable”.⁵

In this study Brain Gym method is independent variable while students' English achievement is the dependent variable.

G. Data and Source Data

The data for this research are data related to the students' English achievement. The data needed for this research was collected from teacher and students of MTs N Krian.

H. Data Collection Technique

Data of this study was collected through pre test, post test, observation, and interview to collect the data.

1. Pre test and post test

It was used to know the difference comprehend between experiment group and control group. Pre test was conducted on first meeting. Post test was conducted at the end of meeting. Pre test and post test was given to both of groups.

⁵ H. James mcmillan, *Education Research: fundamental for the consumer* (New York: Harper Collins publisher, 1992),22

was analyzed to determine whether there is a statistically significant difference in the students' English achievement between experiment group and control groups.

The students' score was analyzed statistically by using formula:

Form:

$$Z = \frac{T - \frac{n(n+1)}{4}}{\sqrt{\frac{n(n+1)(2n+1)}{24}}}$$

Form

$$Z = \frac{n_1 - n_2}{\sqrt{n_1 + n_2}}$$

Where:

n_1 = Sum of positive rank

n_2 = Sum of negative rank

Experiment study was conducted eight meeting. On the first meeting the pretest was conducted for both class VII D and VII E. On the second meeting until seventh meeting, treatment was conducted to both of group experiment and control group. The treatment Brain Gym method was conducted in the experiment group. The students follow the Brain Gym movement and practice by their selves. On the last meeting posttest was conducted on two classes, VII D and VII E. the aim of this test is to know the effectiveness of brain gym to improve students' English achievement.

The statistical computation of post test of the experiment group and control group by using SPSS 11.5 for windows demonstrated that the data distribution of post test control group and experiment group were abnormal. Because control group score Sig. was 0,018 and experiment group score Sig. was 0,000. It means that the post test of experiment group score $< 0, 05$. So Wilcoxon matched pairs used to analyze the data.

Z was -5,180. Asymp. Sig. (2-tailed) was 0,000. Because Asymp. Sig. $< 0, 05$. Thus, the null hypothesis is rejected. There is significant difference between control group and experiment in post test. After having completed several treatments, the experiment group was improved. This finding supports the research hypothesis that Brain Gym method is effective in improving students' English achievement.

Sa'idah Nur, thesis: "*Efektivitas Brain Gym dalam mengatasi kejenuhan belajar (learning plateau)*". Surabaya: State Institute Islamic Sunan Ampel, 2009

Gunawan Adi, *Genius Learning Strategy*. Jakarta: PT Gramedia Pustaka Utama, 2012
Editya Rendi, thesis "Pengaruh Brain Gym Terhadap Kemampuan Bahasa Pada Anak Umur 2 - 3 Tahun". Jember: stikes, 2009

Wagner MaryJo, "Three Brain Gym Movements to Help You Lower stress, Calm down, and Learn Anything Easily" *Brain Boosters for Your Kids*,
(<http://www.brainboostersforyourkids.com/freeBGguide.htm>, accessed on July 26 2012)

Sumanto, *Metodologi Penelitian Sosial dan Pendidikan*. Yogyakarta: PT Andi Offset, 1995

De Bortoli Lisa - Thomson Sue., *Contextual factors that influence the achievement of Australia's Indigenous*. Victoria: ACER Press, 2010.

Diane Larsen-Freeman and Michael H. Long, *An Introduction to second language Acquisition Research*, New York: Longman, 1990