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# The Effect of Cake Application Towards Students' Pronunciation Mastery At The Eighth Grade of MTs Mifatussa'adah Cibaliung Pandeglang in Academic Year 2024/2025

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### ABSTRACT

This research aims to investigate the effect of cake application towards students' pronunciation mastery at the eighth grade of MTs Miftahussa'adah Cibaliung Pandeglang. The research uses the quantitative approach and quasi experimental method with pre-test and post-test design. On technique of collecting the data, this research uses a triangulation involving pre-test, treatment and post-test. The data obtained from 2 classes are experimental and control class. The experimental class was VIII A and the control class was VIII B. Each class consists of 25 students; the total number of samples is 50 students. The findings show that the experimental class's mean score on the pre-test is 51.33, while the control class's mean score on the pre-test is 44.00. On the other hand, the experimental class's mean score on the pre-test is 67.20, while the mean score on control class is 59.20. The hypothesis calculating was done by using SPSS 22. The result obtained from hypothesis test is  $0.00 < 0.05$ , it means that there is effect of cake application towards students' pronunciation mastery at the eighth grade of MTs Miftahussa'adah Cibaliung Pandeglang.



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### INTRODUCTION

In this modern era, English is used widely the country and it is considered as an international language, many people from diverse countries learn it for the importance of their career and job since it is required in many companies. English has become the second language in many countries. Many people learn it based on their needs or purposes and it might be the cause of many affiliates of the foreign companies, international relationship, and international trade, it has also been included in the national examination in many schools as well as the subject in many schools. That is why mastering English might be able to case the learner to get proper jobs after graduating

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from schools. By mastering English, it can help others in any situation, for instance the one who gets lost when traveling or going abroad and asking the direction to somewhere. English also is used in products; this is why worth mastering. There are for basic should skills in English that should be mastered, they are Speaking, Writing, Listening and Reading but some people might have problem speaking with correct pronunciation, it might put the learner off learning English or even and giving up since the learners still find it hard to convey ideas in English because the lack of knowledge about pronunciation theory.

Pronunciation has close relationship with speaking which is considered as one of the most important aspects in Speaking. Speaking means conveying or expressing the ideas directly. It is kind of productive skill because the brain produces the ideas and the words are spoken orally through the mouth, Mastering English speaking skill is considered as important skill because it is the most used skill. According to Chaney (1998:18 ) "Speaking is the process of building and sharing meaning through the use of verbal and non-verbal symbols in various contexts". Furthermore, some experts (Roach,1991; Celce-Murcia, Brinton & Good wind, 1996; Dalton & Seidhofer, 2000) say that Generally learner want to improve their pronunciation although it is a skill that has been considered to be the most difficult to acquire. The reason why pronunciation is worth learning, it is because the spoken and written English are very different. It means there is no correlation between written in spoken.

Based on the researcher's teaching experience, the researcher finds out many problems about study English at the Eight Grade of MTs Miftahussa'adah Cibaliung Pandeglang Banten. First, the students of MTs Miftahussa'adah are not able to speaks English. The researcher tries to speak English with them, but they cannot speak English correctly. Furthermore, students' English score is relatively very low, this was seen from their English score with the average score under criteria minimum score (KKM) 76. Second, students use accent of Sudanese while speaking English. The researcher asks one of the students by using English, but he answered by using English with Sudanese accent. Students is also saying that students felt difficult to speak with English accent. Third, students' Pronunciation is relatively very low, this is could be seen from the little conversation with them where students speak with incorrect pronunciation. Fourth, students' vocabulary mastery is also relatively very low. The last, teaching technique and teaching media used by the teacher are monotonous and lack.

Learning media are various kinds of components in the learning environment, so stimulating students to learn one of the media is the Cake Application. According to Rahnadani (2022) Cake Application is an English learning application that serves to improve student learning activities in the field of English. This application provides features of speaking, writing, listening, and reading. Cake is the latest Android mobile application developed by Korea. Cake application is media that can help the students to know how to pronounce the word, in this application there is the native speakers of English, which are available in this application of course with correct pronunciation. This is an app to help people become better speakers. Confident for others, speaking in good public skills, or in everyday life. Sinha (2019) It's great to help people who listen to it. This is the best app to learn to speak English, gives examples using videos, and the word is very useful to pronounce Batool, (2019). In this app, people can also learn native English from videos. Have fun, short English Conversation videos are updated daily, so users can learn English quickly and completely free.

Based on the problem above, the researcher is really interested in conducting research entitled "The Effect of Cake Application towards Students' Pronunciation Mastery at the Eighth Grade of MTs Miftahussa'adah Cibaliung Pandeglang in Academic Year 2022/2023".

Yates and Zelinski (2014:11) stated that pronunciation refers to how we produce the sound that we use to make meaning when we speak. It includes the particular consonants and vowel of a language (segments), aspects of speech beyond the level of individual segments, such as stress,

timing, rhythm, intonation, phrasing (supra segmental aspects) and how the voice is projected (voice quality).

Gilakjani (2011:1) assumed that pronunciation is one of most important skills in English language teaching. If speakers have very bad pronunciation, their speech will not be understandable to the listener.

Pronunciation must be viewed as more than correct production of individual sounds or isolated words. Instead, it must be viewed as a crucial and integral part of communication that should be incorporated into classroom activities. Teacher can help students by highlighting elements such as sounds, syllables, stress and intonation (Gilakjani, 2011:12)

According to Gumelar (2020:3) pronunciation has two elements, there are segmental and supra segmental features.

### 1) Segmental Features

According to Wahyuki (in Ma'lah 2008:35) segmental refers to the sound units which are arranged in a sequential order. The sound units of utterance are represented by the phonetic symbols. Segmental features include vowel and consonant.

#### a) Vowel

According O'connor (in Ma'lah 1980:79) states that vowel is made by voiced air passing through different mouth-shapes; the differences in the shapes of the mouth are caused by different position of the tongue and of the lips. Wahyuki (in Ma'lah 2008:56) There are two types of vowels, namely pure vowel and diphthong. English has 12 vowels, they are: /i:/, /a:/, /u:/, /ɔ:/, /ɜ:/, /ɪ/, /e/, /ʌ/, /ə/, /ʊ/, /æ/.

#### b) Diphthong

According to Gumelar (2020: 4) diphthong is double sound and sometimes it is called as independent vowel. Diphthong is formed by gliding from one vowel to another vowel position. English has 8 diphthongs, they are: /ei/, /ai/, /ɔi/, /iə/, /eə/, /ʊə/, /aʊ/, /oʊ/, /əʊ/.

#### c) Consonant

Consonant are made by blocking or restricting the airflow from the lungs by using the lips, teeth, and tongue Yates and Zelinski (2014:41). According to Gumelar (2020:5) states that English has 24 consonants sounds, they are: /p/, /b/, /t/, /d., /k/, /g/, /f/, /v/, /s/, /z/, /h/, /m/, /n/, /l/, /r/, /w/, /j/, /tʃ/, /dʒ/, /θ/, /ð/, /ʃ/, /ʒ/, /ŋ/.

### 2) Supra Segmental

According to Gumelar (2020:9) states that supra segmental sound refers to how speech functions. This function means what the whether the speech sound is a verb or noun if the sound itself happens in a word, and whether the speech sound is a statement, imperative or question if the sound itself happens in a phrase or sentence.

According to Gumelar (2020:9) states that in this section those elements are divided into two elements only. They are stress and intonation.

#### a) Stress

Stress is the force of the breath in the production of speech sound. Normally, one word with one syllable is unstressed. When a word has more than one syllable, one of them will be pronounced with more prominence than the others.

#### b) Intonation

Intonation is a term that's used to refer to the distinctive use of different patterns of pitch that carry meaningful information. When we speak, normally the pitch of our voice is constantly changing. We describe pitch in terms of high and low. The rise and fall of pitch in the voices play a crucial role in how the meaning is expressed.

According to Gumelar (2020:10) states that in general there are two types of intonation. They are rising intonation and falling intonation. Furthermore, one of the uses of intonation is to show the grammar of what we are saying. Rising intonation occurs in: yes/no questions, question tags, and in special emphasis. Falling intonation occurs in: declarative sentences, question tags, special emphasis, and in pronominal question.

In order to speak or communicate each other, human being used sounds. Gumelar (2020:14) states that the sounds of human being are produced by organ of speech (articulator). Here are the organs of speech (articulator) that human has: Lips, tongue, teeth, alveolar ridge, palate, velum, uvula, pharynx, larynx, glottis. Place of articulation is the location at which two speech organs approach or come together in producing a speech sound. Here are the places of articulation according to Gumelar (2020:16): Bilabial, labiodental, interdental, alveolar, alveopalatal, velar, glottal. Gumelar (2020:5) states that there are 6 manners of consonant sounds to articulate correctly. They are plosive or stop, affricates, fricatives, nasal, liquid, and glides.

According to Rahmadani (2022). Cake Application is an English learning application that works for improve student learning activities in English lessons. This application provides how to speak, write, listen, read and rephrase the video that has been watched. Cake application is one of the newest applications. android application developed by some knowledge able people in Korea. This is one application to make it easier for people who want to learn English with good pronunciation in interacting with English. Be confident in what you say, speak in good public skills, or in everyday life. Sinha (2019) has stated. It's great to help people who listen to it. This is the best app to learn to speak English, provides examples using videos, and the word is very useful for pronouncing Batool, (2019). In this application there are several videos, people will be able to understand the original English from the snippets of some videos. English Conversation short videos are updated daily, so that learners can learn English quickly and completely free of charge.

- 1) Cake app users can learn native English expressions selected from YouTube and see similar phrases in one place, it only takes a few days a day to improve English skills.
- 2) The Cake app offers several oral tests that simulate conversation with good pronunciation.
- 3) Cake application offers oral exercises that simulate conversations with native speakers.
- 4) Cake application Can be used for voice recognition A I U E O to check pronunciation. with simple Recording.
- 5) Cake Application is completely free and has no annoying ads.

The cake application can collect several stars as a reward for those who successfully complete their tasks well, such as tasks to achieve learning goals. There are also some quizzes that are presented, among which we have to fill in the missing words in a sentence. This sentence is a word that has been studied before. In addition to filling in the incomplete word parts, a test is also carried out by spelling the words spoken in the application. In the Cake App, the students can choose the learning goals and progress that students target to achieve using the app, and students can understand the learning progress based on the stars earned and the pass rate. With the test method of reading stories and some incomplete texts.

Based on the statement above, the researcher concluded that Cake application is one of the right media for learning pronunciation, because it contains many video clips from native English speakers.

To access this application, first students have to login. Students can login with Facebook account or Google account. Please note that students can also use guest mode, that is, students don't need to be logged in, but when students use guest mode, the minus is that students are only served a few episodes. Before using the cake application, First, students must download it from the Play Store. Among them there are 19 languages, including Indonesian, English and others. Once logged in, students will see the home page of the Cake Application, which displays several menus. Start from

the menu: Search, Chat, Library, and Profile. Then in the upper right corner there is a bell icon with notifications. In the upper left corner are the "Today" and "Subscribe" Menus. In the search menu, there are many options, such as movies, auditions, travel, comedy, pop, American TV series, TV series, etc.

Here the researcher to start a master class in this application, click on the microphone symbol at the bottom and decide the level you want to learn, then select the plot or topic you need to learn. Each episode costs 10 coins. After logging in, you will get 30 coins to open the episode. At the conference, there are a few things to know:

- 1) These coins are used to purchase individual episodes in speak.
- 2) The coins are not for sale. They are provided when students use the call while connected.
- 3) The amount of gold students get depends on the amount of gold students spend. The more gold coins students get.
- 4) A maximum of 50 gold coins can be deposited and no more gold coins can be received.

In the course of speaking, students should listen to the conversation before students are asked to speak. Depends on the conversation students are listening to. This app will automatically correct students pronunciation, if students make a mistake, the word will have stripes and red. Students can repeat it until students have the correct pronunciation.

The advantage of the Cake Application is that it includes engaging graphics that can pique the interest of youngsters and adults alike in learning. The application's features are also quite simple to use. As learning tools, there are short movies that are read by native speakers. So that users can hear native speakers speak immediately. The students can also use the accessible subtitle's function when watching the brief video. Like in a video game, there are several awards and accolades to be earned, and the students can progress to a higher level if we practice using the Cake Application on a regular basis.

## **METHOD**

In this study, the researcher explained method and design of the research that was used, something specific related to the method. For example: model, research design, variable and treatment, the procedure in teaching pronunciation using Cake Application. This research uses a quantitative approach, while the method uses true experimental using Pretest Post-test Control Group Design. In this design, the sample was grouped into two groups. They are chosen randomly, and then they are given pre-test in order to know their capability in the beginning whether there is difference between both of them. The lowest group in average score was taken as experimental class, while the higher group in average score was taken as control. This is aimed to see the technique given is powerful as the objective of the research is to investigate the effect of Cake Application toward students' pronunciation mastery.

In this research, the researcher used pronounce test as an instrument. In pronounce test, the researcher gave some test for the student. The test was given twice, before and after treatment. Pre-test to know their pronounce skills before using Cake application and the post-test is measure to check the effect of Cake application towards student's pronunciation mastery.

In collecting the data, the researcher collects the data by employing these procedures:

The first step is pre-test whereas the researcher gave an oral test for students to found out the student's prior knowledge, this test is given before treatment that is using Cake application. The researcher gave monolog and asked the students to read the monolog. After that the researcher transcribed and gave score dealing with vowels, diphthongs, consonants, stress, and intonations. After the researcher gave pre-test, the researcher introduced the Cake application and how to use it, after that the researcher asked the students to learn pronounce by using Cake application for experimental class and Duolingo application for control class. This treatment took four meetings

and each meeting spend 60 minutes. The last step is post-test, in this step the researcher gave some monolog to the students like in the pre test. This test is given to know their improvement in pronounce of English after having the treatment. The researcher gave some monolog to the students and asked the students to read the monolog.

The result of the treatment would be analyzed by the following stages: Normality Test. Normality testing is a test of the normality of the data distribution. The form is adopted from Ary (2012:202). In this research the researcher used a Kolmogorov-Smirnov test by using SPSS 22 for program windows with the criteria:

1. If the significance value of  $\text{sig} > 0.05$  the data is normally distributed.
2. If the significance value of  $\text{sig} > 0.05$  the data is normally distributed.

Homogeneity Test. "Homogeneity measures other internal-consistency measures of score reliability do not require splitting the test into halves and scoring each half separately. These procedures assess the inter-item consistency, or homogeneity", of the items Ary (2012:262). In this research the researcher used Levene test for calculating the data by using SPSS 22 for windows program with the criteria:

1. If the significance value of  $\text{sig} > 0.05$  the data is homogenous.
2. If the significance value of  $\text{sig} < 0.05$  the data is not homogenous.

Hypothesis Test. According to Ozdemir (2016: 168) "hypothesis test is a statistical test that is used to ascertain whether we are allowed to assume that a certain condition is true for the entire population, given a data sample". If the tests indicate that observed relationships had only a slight probability ( $< 0,5\%$ ) of occurring by chance, the null hypothesis becomes an unlikely explanation, and the researcher rejects it. The decision to reject or not reject the null hypothesis has direct relevance to the status of the original research hypothesis. If the result of calculating the data reject the null hypothesis, the researcher concluded that there is a significant effect between the variables of the study in the population, just as the research hypothesis predicted Ary (2012:101).

The test in this research conducted to know the effect of using Cake application as a learning media in pronunciation mastery at the eighth grade of MTS Miftahussa'adah Pandeglang in academic year 2023/2024. The researcher tested an instrument at another school with a similar grade before conducting this research. There was one instruction was tested. The researcher conducted a validity test and reliability test after obtaining the result of the instrument test. One every one instruction that were examined for validity passed the test.

The researcher conducted a reliability test after conducting the validity test. According to Creswell (2018:215) Reliability instrument is referring to the consistency or repeatability of an instrument produced the same data. A good measure should be both valid (measure what it's supposed to measure) and reliable (the results are dependable)". The data declared reliable if the value of  $\text{Alpha} > r_{\text{table}} = \text{reliable}$ , while the value of  $\text{Alpha} < r_{\text{table}} = \text{reliable}$ , the result of the reliability test was  $0,569 > 0,444$  so the instrument was reliable. The instrument that had passed the validity and reliability test was used as an instrument for pre-test and post-test in both the experimental class and control class.

After the instrument test, the researcher conducted the pre-test, this aimed to know student's prior knowledge before giving treatment in both of classes, after the pre-test the researcher did treatment four times, in this step the researcher used Cake application as a media learning in experimental class, while the researcher used Duolingo application as a media learning in control class. The purpose of using Cake application as a learning media was to improve the students' pronunciation mastery. The researcher selected Cake application as a media learning because the researcher expected it would be more interesting and easier to use.

Rahmadani (2022). "Cake Application is an English learning application that works for improve student learning activities in English lessons. This application provides how to speak, write, listen, read and rephrase the video that has been watched. Cake application is one of the newest applications. android application developed by some knowledge able people in Korea. This is one application to make it easier for people who want to learn English with good pronunciation in interacting with English. Be confident in what you say, speak in good public skills, or in everyday life". Sinha (2019) has stated. It's great to help people who listen to it. This is the best app to learn to speak English, provides examples using videos, and the word is very useful for pronouncing Batool, (2019). In this application there are several videos, people will be able to understand the original English from the snippets of some videos. English Conversation short videos are updated daily, so that learners can learn English quickly and completely free of charge.

After the treatment was carried out in two classes, the researcher conducted a post-test to know their improvement in pronounce of English word after having the treatment, the researcher used SPSS 22 for analyzing the data. The hypothesis test in this research used analysis of t-test. Before do analysis this research needs to do pre-requirement of research analysis that covers normality and homogeneity test. From the result of this research that the Mean of pre-test score obtained by the students of the eighth grade of MTS Miftahussa'adah Pandeglang Banten in academic year 2023/2024. in the class VIII A, as experiment class is 51.33 higher than 45.33 the Mean score of class VIII B, as control class. The highest score of pre-test in experiment class is 60 and the lowest score of pre-test in experiment class is 40, on the other hand the highest score of pre-test in control class is 52 and the lowest score of pre-test in control class is 40. It means that the distribution of pre-test score in experimental class is higher than control class. Next is the Mean of post-test score in experimental class is 67.20 higher than 59.20 the Mean score of control class. The highest score of post-test in experiment class is 76 and the lowest score of post-test in experiment class is 60, on the other hand the higher score of post-test in control class is 68 and the lowest score of post-test in control class is 52. It means that the distribution of post-test score in experimental class is higher than control class.

Before the researcher did the hypothesis test the researcher should did normality and homogeneity test, in this research the normality test used a Kolmogorov-Smirnov test by using SPSS 22 for program windows with the criteria: If the significance value of sig > 0.05 the data is normally distributed, while If the significance value of sig < 0.05 the data is not normally distributed. The homogeneity test in this research used Levene test by using SPSS 22 for program windows with the criteria: If the significance value of sig > 0.05 the data is homogenous, while If the significance value of sig < 0.05 the data is not homogenous.

Based on the result showed that pre-test experiment sig 0.082 > 0.05 the data is distributed normally, post-test experiment sig 0.034 > 0.05 the data is distributed normally, pre-test control sig 0.012 > 0.05 the data is distributed normally, and the last is post-test control sig 0.015 > 0.05 the data is distributed normally, so the data is normally distributed. In homogeneity test the researcher compared the pre-test result and post test result of the two classes, the result of the homogeneity test was showed that the score of pre-test between experimental and control class is sig > 0.05, so the data is homogenous, The table above state that the score of homogeneity of post-test between experimental and control class is sig > 0.05, so the data is homogenous, based on the result those data both of pre-test and post-test are homogenous.

The hypothesis test, often known as the t test, this test was the final data test in this research. In this research the hypothesis test used a statistical test (T-test) paired samples test (pre-test and post-test in experiment class and pre-test and post-test in control class) by using the SPSS 22 program for window with the criteria: If sig (2-tailed) < 0.05, Ho is rejected and Ha is accepted, on the other hand If sig (2-tailed) > 0.05, Ho is accepted and Ha is rejected.

Based on the result of t test, the researcher obtained the score  $0.00 < 0.05$  so the alternative hypothesis ( $H_a$ ) "there is a significant effect of Cake application to students' pronunciation" is accepted. On the other hand, null hypothesis ( $H_o$ ) "there is no a significant effect of Cake application to students' pronunciation" is rejected. Based on the result above, the researcher concluded that there is significant effect of Cake application to students' pronunciation mastery at the eighth grade of MTS Miftahussa'adah Pandeglang in acadic year 2023/2024. Although this research conducted as effectively as possible and with adequate results, the researcher got some obstacles when the research processes, as follow.

1. The using of electronic dictionaries that suddenly occurs in class could be very annoying or surprising to the teacher and the students could affect the rest of students, because they would be easily hearing pronunciation of irrelevant words while their learning the others word.
2. There are several students could not download the application because their memory internal was not enough.
3. Various students had different levels of pronunciation mastery; every student differed in their capacity for cognition. To ensure that all students can recognize their capabilities equally, it required high class mastery.

## CONCLUSION

In this chapter the researcher would like to conclude the research based on the data at the previous chapter as follow. Before the researcher gave the treatment to the students both of the class, the students score is poor. After the researcher gave treatment using Cake Application in experiment class the students' score there is improvement. Cake application can help students to know how to pronounce the word. The use of Cake application as media for lesson activity improve the students' score.

As a result of this research that the Cake application is effective to improve the students' achievement in pronouncing English word in MTS Mifatussa'adah Pandeglang in academic year 2023/2024 by an increase in student learning outcomes after treatment four meetings, with the mean score of post test was greater than the score of pre test, namely  $51.33 > 67$ . Then the result of hypothesis test showed that there is significant effect of Cake application to students' pronunciation mastery with score  $0.00 < 0.05$ . Although not all of the students can pronounce the word well. However, the students' improvement was also supported by the students' interest in the Cake application and their motivation in taking part the activities of the learning process.

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