

The Use of ADDIE Model Based on English Quarantine System in Awakening Entrepreneur Attitude

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Abstract: *The open unemployment rate in Indonesia is still 5.28% of indonesia's total population. It can not be considered as a simple number. The economic struggling is the cause and effect of this problem. It was one of the causes of our younger generation were dropping out. It is characterized by the highest unemployment rate of the high school and junior high school populations. They don't have the skill and courage to build their own lives. Thus, there are still many people who are devastated by the state of the poverty due to the difficulties of economy. This is the problem in this study. This research aims to arouse the attitudes of young and talented entrepreneurs in order to build their own economic lives and the state economy as well. The method used is the method of experimentation and survey to find the knowledge that can be practically applied, to find, develop and validate a model. The implemented an ADDIE model based on the English Quarantine system in this research can help the generations to be able to use English in their lives and businesses easily. This model invites the younger generation to dare to raise and grow the quality and competitive of the entrepreneur in the business world. They are constantly trained to create the skills in them.*

Key Words: ADDIE Model, English Quarantine System, Entrepreneur.

1. INTRODUCTION:

The Central Bureau of Statistics (BPS) shows that the Level of Open Unemployment on August 2019 is 5.28 % or about 7.05 million people from the Indonesian population. This number is still quite high as the government still has to work hard in tackling it. Creating a talented entrepreneurs can be the way out to solve this problem. However, the problem is how to get this younger generations to be interested in becoming an entrepreneur to lift their own economy or even the country's economy.

The ratio of entrepreneurship in the country was only 1.55% in 2014, then in 2016 increased to be 1.65% and by the end of 2017 has reached more than 3.1%. Indeed, the figure has reached the International standard of 2%. However, it still lags far behind neighboring countries, such as Malaysia at 5%, Singapore at 7%, and Thailand at 4.5%. Therefore, Indonesia has to prepare potential entrepreneurs as the activator of economic development in Indonesia. Many education institutions have also provided many programs to grow and develop the spirit of entrepreneurship to their students.

In this study, the implementing of the System English Quarantine-based ADDIE Model is hoped to encourage millennials becoming talented and great entrepreneurs. The ADDIE Model itself is one of the interactive learning processes with the basic stages of effective, dynamic and efficient learning. It is assisted by a method called System English Quarantine, which is English language training program using quarantine system in students. All forms of student activities are conducted by using English by the guidance and supervision of the instructors. [3]

The problem in this study is how the implementation of ADDIE Model based on Quarantine System can produce reliable entrepreneur candidates. Seeing how much this activity can create the desire of these millennials to be an entrepreneur.

The implemented of ADDIE model based on System English Quarantine is intended to prepare the millennials becoming a talented and reliable entrepreneur, ready to compete in the world economy. Entrepreneur itself is different from the businessman, entrepreneurs are people who are able to take advantage of situations and conditions, dare to take risks to run their business. An entrepreneur is able to read the economic conditions he will run. [4]

2. LITERATURE REVIEW:

2.1 Model ADDIE

ADDIE model is a model that is relatively easy to apply, which is systematic and will produce a creative, effective and efficient product [16]. ADDIE model can develop scientific processes, is cooperative, flexible, adapting to a learning environment that is oriented towards the implementation structure of students

ADDIE model can improve critical thinking skills supported by indicators of critical thinking skills starting from formulation of problem, production, evaluation, and decisions [17]. .

2.2 English Quarantine System

English Quarantine System Method is an interesting method which have to be applied to students in learning English, especially English in economics. English Quarantine System Method is a learning method that applies the Karantine program to students, which means that when students do something they start with simple English. This method forces students to use English, but still accompanied by an instructor. Instructors will prioritize programs that can train and strengthen students 'mental or self-confidence in expressing their ability to speak English. Eventhough the students have memorized a lot of vocabulary but because of the lack of confidence in expressing their abilities, this will be a cause of obstruction to the development of students' abilities. [14]

2.3 Entrepenuer Attitude

According to Widodo [15] , entrepreneurship is a business that always uses economic resources that are more productive to obtain greater income. Prama (1998) in Mayasari (2014) states the attitudes and abilities that entrepreneurs must have, including: the change creator, always sees opportunities, does not get bored easily to have experiment with reforms, motivated by creativity and thinks of yourself as an expert.

3. MATERIALS AND METHOD:

The experimental and survey methods were applied in this research to find the knowledge to be practically applied and as well as to discover, develop and validate a model. [5]

The research was conducted in Binjai City, based on the survey results by using random sampling. So, the sample number were 200 students of high schooler. Based on the explanation before, the researchers collected data from three stages, namely at the defining stage, the design stage, and the development stage. The data collection techniques adjusted to the required data needed.

3.1 The Defining and Planning Stage

In defining stage, data is required to analyze the preliminary, student analysis, assignment analysis, material analysis. That us why the data needed is the qualitative data. So, the techniques used in the data collection were interview, observation, and documentation studies. [6]

Then, [7] Sugiyono (2009:310) classified observations into participating observations, overt observations, and unstructured observations. The researcher's position on the study was passive participation. So in this case researchers come to the place of observed activity. The instrument used by the researchers is an observation sheet which is more oriented towards the aspects of vision and hearing. Observation sheet filled by researchers

Then, the other data collection technique is interviews. [8] Riduwan (2009:74) states that "interviews are a way of collecting data used to obtain information directly from the source". The sources of interviews in this study are principals, staff, teachers and students. Interviews are divided into several kinds, namely structured interviews, semistructure, and unstructured/free. Structured interviews are conducted when researchers have figured out exactly what information will be obtained in a study so that the questions asked refer to the list that has been compiled. In contrast to unstructured interviews that do not use the interview guidelines which have been organized systematically and completely when collecting data. But it refers to the purpose of the research. While semistructured interviews are led free interviews are a combination of unstructured and structured interviews.

The next data collection technique is a documentation study. Documentation is a record of the passed events. it can be images, writings, or monumental works of a person (Sugiyono, 2009: 329). The use of documentation studies is a complement to the use of observation and interview methods in qualitative research. The tools that will be used in the study documentation include writing or documents from the school, digital cameras as documents in the form of images.

3.2 The Development Stage

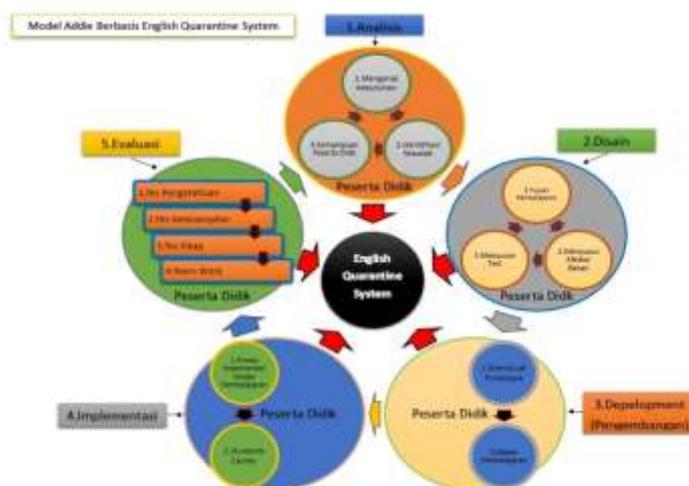
The data collection techniques in this stage are test, non-test, and observation techniques. Test are study results tests conducted by pretest and posttest. non-test techniques used are the expert validation assessment questionnaires, student character planting questionnaires, and student response questionnaires. While observation is done to know the implementation of learning steps through the observation sheet. The next data collection technique is a documentation study. It is a record of te passed events. It can be images, writings, or monumental works of a person (Sugiyono, 2009: 329). The use of documentation studies is a complement to the use of observation and interview methods in qualitative research. The tools that will be used include writing / documents from the school, digital cameras as documents in the form of images. The analysis conducted in this stage is quantitatively descriptive. The data analysis is a data quality test

(validity and reliability). The technique in concluding the results is using SPSS; Validity test is used to measure the validity of the questionnaires by using Karl Pearson's Correlation Product Moment.

4. RESULT AND DISCUSSION:

4.1 The Development of ADDIE Model based English Quarantine System

The implementation of ADDIE Model combined with English Quarantine System as a method will be a faster learning model attracting students, considering ADDIE model has 5 stages in its implementation namely Analysis-Design-Develop-Implement- Evaluate. [9] will be very helpful in learning English for students. Students will be more confident and able to build and dig their skills in English. Below is the scheme for ADDIE Model based on English Quarantine System :



Picture 1.1.
 The Development of ADDIE Model based on English Quarantine System

Based on the picture above, the stage of ADDIE Model based on English Quarantine System are below:

a. Analysis

The analysis stage includes the analyzing of the students need, identifying their problems and analyzing the skills of the learners in English. The first stage is to analyze the needs of students and materials. The main activity at this stage is to analyze the need for media development methods and the feasibility and requirements of developing new learning media. The development of new learning media starts by problems in the learning media that have been implemented and to see the limits of students' ability in absorbing the materials, especially English. Beside that, for the development of new learning media, researchers also need to analyze its feasibility and requirements.

b. Design

The design stage consists of formulation of measurable general objectives, classifying learners into several types, selecting learner activities and selecting media. This activity is a systemic process that starts from setting learning goals, designing scenarios or teaching learning activities, designing learning devices, designing learning materials and evaluation tools for learning outcomes. This media design is still conceptual and will underpin the next development process. At this design stage, the thing that should be done is: first, formulates specific, measurable, applicable, and realistic learning goals. Furthermore, the test must be based on the purpose of learning that has been formulated. Then determine what the right media learning strategy to achieve the goal. In addition, other supporting resources are also considered, such as relevant learning resources, the learning environment should be, etc. All of that should be clear and detailed in blue-print document. The design is the second step of the ADDIE learning system model. In this step, clarification of the learning program is designed so that the program can achieve the learning objectives as expected.

In the design stage, the center of attention needs to be focused on efforts to investigate the learning problems at hand. This is the core of the analysis step, studying the problem and finding the alternative solutions that are successfully identified through the need analysis step. An important step in design stage is to determine the students learning experience must have during the learning activity. Design measures should be able to answer the question of whether the designed learning programs can be used to address performance gaps that in students. The capability gap in question in this case is the observable difference between the ability that has been possessed and the ability that the learner should have. In other words, the gap illustrates the difference between the ability possessed and the ideal ability. Several

learning strategies that need to be considered to be implemented in the development of online learning programs, namely: interaction, collaboration, constructivism, exploration, online projects, problem-based learning and case studies, self-management, questioning and discussion, simulation, and assessment.

c. Development

The development in the ADDIE model contains product design realization activities. In the design phase, a new conceptual media has been drawn up, the English Quarantine System. In the development phase, the conceptual framework is realized into a product that is ready to be implemented. The Development is the process of realizing blueprint or the design of ADDIE Model based English Quarantine System into reality. One of the important step in the development phase is a trial before it is implemented. This phase of the trial is indeed part of one of ADDIE's steps, namely evaluation.

In carrying out development steps, there are three important goals that need to be achieved. They are:

1. Produce, purchase, or revise teaching materials that will be used by previously formulated learning, an
2. Choose the best media or media combination to use to achieve learning goals.
3. Form a learning community among teachers, students to be able to communicate each other, and discuss to solve learning problems.

d. Implementation

This Model has been developed or blended with the English Quarantine System in the class. After implementation, initial evaluation is carried out to provide feedback on the next media/method implementation. Implementation is a real step to implement the learning system created. At this stage, everything that has been developed is installed in such a way as to suit its role or function in order to be implemented. The implementation of learning materials is the fourth step of ADDIE learning system design model.

The main objectives of the implementation stage which is the realization of design and development are as follows.

1. Guide students to achieve learning goals or competencies.
2. Ensuring the problem solving to overcome the gap in learning outcomes faced by students, especially in English lessons
3. Ensure that at the end of the learning program students need to have the necessary competencies (knowledge, skills, and attitudes).
4. Develop the ability of students to learn to realize the interconnectedness, awareness to participate, cooperate, respect each other in all activities.

e. Evaluation

The evaluation is done in two forms, namely formative and sumative evaluation. Formative evaluations are carried out at the end of each stage while sumative evaluations are carried out after the activity ends in its entirety. Revisions are made in accordance with the evaluation results or needs that cannot be met by the media/ method. The evaluation is a process to see if the learning system being built is successful, in accordance with the initial expectations or not. Actually the evaluation stage can occur at any of the above four stages. The evaluation that occurs at each of the above four stages is called a formative evaluation, because of its purpose for revision needs. It is the last step of ADDIE learning system design model. Evaluation is a process to provide value to the learning program.

Basically, evaluation can be done throughout the implementation of the five steps in the ADDIE model. In the analysis step, the evaluation process is carried out by clarifying the competencies (knowledge, skills, and attitudes) that students must have after participating in the learning program. Such evaluations are known as formative evaluations. In addition, it also can be done by comparing the learning results that have been achieved by the learner and the learning objectives that have been formulated before.

The evaluation of the learning program aims to know several things, namely:

- a. The students' attitudes towards learning activities as a whole,
- b. The improvement of competency in students which is the impact of participation in learning programs, and
- c. The benefits felt by the school due to the improvement of the competence of students after participating in the learning program.
- d. The activities of students in teamwork, including:
 - Cultivate individual responsibilities,
 - commitment to the group
 - interactions between individuals

Provide stability to the groups to be able to work with members of group norms, the appearance of shared tasks, and the patterns of interaction

4.2 ADDIE Model based on English Quarantine System in Awakening the Talented Entrepreneur Attitude

Entrepreneur is a brave person who takes the risk to open a business on various occasions. Brave-spirited risk-taking means mentally independent and dares to start a business, without being overwhelmed by fear or anxiety even in the uncertain condition. The Opportunities will be easily utilized by an entrepreneur to create a new-age venture with great profit potential. Not only in the opportunities in positive (condition, but also in bad condition. Entrepreneur can be easily analyzed the demand for goods and services needed by the community. Even in bad conditions. This is one of the foundations why entrepreneur education is needed as one of the curriculum in schools, especially at the high school. It can slowly change the mindset of millennials to foster entrepreneurial attitudes in themselves. [11]

There are 2 characteristics of entrepreneur namely: 1. As a creator i.e. creating a business or business that is completely new. 2. As an innovator, i.e. initiated the renewal in both production, marketing, and management of existing businesses so that it becomes better. Entrepreneurship has a vital role in a country's economic development. The emergence of large business units began through the entrepreneurial spirit of the community. The development of new businesses through productive activities slowly stimulates output growth, in other words, entrepreneurship is the motor of the wheel of the economy. [12]

The application of ADDIE model based on English Quarantine system to prospective entrepreneurs here is intended to create potential entrepreneurs who are ready to be competitive in the world economy and improve the economy themselves even the State economy. In its application this model invites and guides prospective entrepreneurs to use English in their daily lives and efforts. Every day they use economic terms in English in each activity. If they continue to do so from the small, then in the coming days they will get used to using english on a broad scale especially in the economic fields. Quarantine English system is intended that prospective entrepreneurs bind themselves by using English in their activities, although it starts with simple English. This method is quite effectively used for all circles, even the general public who finished their high school. They can learn from friends who are also starting to learn this way.

4.3 The Trial Result of the Implementing ADDIE Model based on English Quarantine System

This research used experimental methods and surveys as the research aims to find knowledge that can be practically applied and also to discover, develop and validate a model. The data collection methods and instruments used in this study were observations, questionnaires, documentation studies.

The data analysis process begins with FGD (Focus Group Discussion) which is carried out as a follow-up, with the calculation of the assessment instrument judging from the assessment criteria from 1 to 5, the instruments used in this study are intended to produce accurate data that is using the Likert scale. Sugiyono (2014:134) states that "The Likert scale is used to measure an attitude, opinion and perception of a person or group of people about a social phenomenon". [13]

The analysis conducted in this stage of research was quantitatively descriptive. The data analysis model used in this study was a data quality test (validity and reliability). The technique performed in concluding the results of the study using SPSS; Validity test is used to measure the validity of a questionnaire by using Karl Pearson's Correlation Product Moment.

Reliability test is the technique used to measure observation reliability is with Cronbach Alpha statistical test. The independent variable in this study is the ADDIE model based on the English quarantine system, and the dependent variable is the attitude of a talented entrepreneur.

Table 1. The Characteristics of Research Data

Gender	Frequency	Percentage (%)
Male	98	49
Female	102	51
Total	200	100

Based on the table above, it can be seen that judging by its characteristics, respondents in this study were dominated by students of the female gender of 102 respondents (51%), and the remaining 98 male respondents (49%).

Validity and Reliability Test

Good research instruments (questionnaires) must be valid and reliable. To know the validity and reliability of the questionnaire, it is necessary to test the questionnaire by using validity and reliability test. Thus, the researcher will conduct both of these tests for the research instruments (questionnaires) :

- Validity test is used to measure the validity of a questionnaire. Validity test is conducted by performing bivariate correlation between each indicator score and total variable score

- Reliability test is intended to measure a questionnaire which is an indicator of a variable. Reliability is measured by cronbach's alpha (α) statistical test. A variable will be reliable if it gives cronbach's alpha value of 0.60 (Ghazali, 2016). [14]

The significance test was conducted by comparing the value of r_{count} with r_{table} for degree of freedom (df)= n-2, in which case n is the number of samples. In the case of reliability and validity tests in this study, the sample (n) = 200. Thus, the size of df can be calculated $200 - 2 = 198$ and significant 5% (see r_{table} at df = 198 by two-sided test). Comparing the r_{count} value by the calculation result= 0.1166. If the r_{count} is greater than the r_{table} and the positive value then the item or question or indicator are declared valid.

Validity test toward the interest of being entrepreneur could be seen as follow:

Table 2. Validity Test of the Instrumen of the Interest of being entrepreneur

Item	<i>r-count</i>	<i>r-table</i>	Description
Item 1	0,623	0,116	Valid
Item 2	0,433	0,116	Valid
Item 3	0,609	0,116	Valid

Source : Research Result, 2020 (Data processed)

Based on Table 2 above, it is obtained that the test results of of the Interest of being entrepreneur variable have the r-square value greater that r-table (0.116). Thus, it can be concluded that all instruments of questions about the Interest of being entrepreneur variable are valid so that they can be used in research.

The Validity Test toward the development of ADDIE model in English could be seen as follow:

Table 3. The Validity Test Result toward the development of ADDIE model in English

Item	<i>r-count</i>	<i>r-table</i>	Description
Item 1	0,623	0,116	Valid
Item 2	0,691	0,116	Valid
Item 3	0,636	0,116	Valid

Source : Research Result, 2020 (Data processed)

Based on Table 3 above it is obtained that the test results of the ADDIE model development variable instrument have a minimum r-count value > r-table (0.116). Thus it can be concluded that all the instrument questions about indicators of the development of ADDIE model in English are valid that it can be used in research.

Reliability test is one of the measuring instruments associated with a number of reliable results. A questionnaire will be reliable if the answer to the question is consistent or stable over time. Basically, the measurement can be done by: (1) Repeated Measure, (2) One Shot. In this study, reliability test was done by using one shot as repeated measurements take considerable time and cost. A construct or variable will be reliable if it gives Cronbach's Alpha value of 0.60. (Ghazali 2016). The results of the instrument reliability test in this study are shown in the following table:

Tabel 4 Reliability Test Result of Research Instrument

No.	Instrument of Research Variable	Cronbach's Alpha Value	N of Items	Description
1	The Interest of Being Entrepreneur (Y)	0,667	3	Reliable
2	The Development of ADDIE Model in English (X ₁)	0,738	3	Reliable

It could be seen that the data that has been done reliability test stated as reliable (trustworthy) for each questionnaire. It could be seen from Cronbach's Alpha value of larger 0.60.

Hyphotesis Test

Hypothesis testing in this study used simple linear regression analysis by using the SPSS 25 program. A simple linear regression analysis is performed to look for the influence of two or more free variables on dependent variables.

Table 5 The Analysis of Simple Regression Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.727	.965		2.825	.006
	X1	.103	.050	.123	2.051	.044

a. Dependent Variable: Entrepreneurs Attitude

Sources : Primer Data Processed, (2020)

The result on the table 5 (*coefficients*) showed that the analysis of simple regression as follows:

$$Y = 2.727 + 0.103 X_1$$

The simple linear regression equation above can be interpreted that the constant has a value of 2,727, if the ADDIE model based on the english quarantine system variable is 0 then the interest in becoming an entrepreneur (Y) has a value of 2,727. The addie mode 1 based on english quarantine system variable (X1) has a coefficient value of 0.103 if the X1(independent) increased by 1 point or 1% then the dependent variable will increase as well.

Uji Adjusted R²

The adjusted R² value indicates how big a dependent variable can be explained by an independent variable. The adjusted value of R² can be seen in Table 6 which is 0.320.

Table 6 Adjusted R² Test Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.860 ^a	.739	.722	.82643

a. Predictors: (Constant), Addie Model

Source :Primer Data Processed, (2020)

It showed that in this study the dependent variables that can be explained by independent variables amounted to 72.2%, while the remaining 27.8% was explained by other variables which were not included in this study.

T Test (Partial)

The t test is used to determine how each independent variable effect the dependent variable. The hypothesis is accepted if the value of its significance is smaller than 0.05 and the hypothesis is rejected if the value of its significance is greater than 0.05.

Table 7 t Test (Partial)

Model		Standardized Coefficients	T	Sig.
		Beta		
1	(Constant)		2.825	.006
	X1	.123	2.051	.044

Source : Primer Data Processed, (2019)

From the table above it can be concluded that the development of ADDIE model in English can increase the interest of the students to become entrepreneurs at Senior Hight School students and vocational schools Abdi Negara with a value of significance below 0.05 .

CONCLUSION :

From the explanation above, it can be concluded that:

- There is still a high open unemployment rate in Indonesia which is reaching 7.05 million people from the entire population of this country
- Awakening the attitudes and creating the young and talented enterpreneuers is the way to tackling the number of unemployment.

- The use of ADDIE Model based on English Quarantine System as one of the efficient way in creating prospective entrepreneurs who have the skills to speak English, thus this country really creates a reliable and competitive entrepreneur candidate in the world economy in this country or in foreign countries.
- After the trial of the use of ADDIE Model based on English Quarantine System, it can be concluded that this model is suitable to be used as it can increase the interest of students into entrepreneurs in high school students and vocational school Abdi Negara by the significance value below 0.05 .

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