



## Identification of Honesty Behavior in Science Class XII Students of Senior High School

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### ABSTRAK

**Purpose of the study:** Honest behavior is one of the positive behaviors that every individual needs to have from an early age. This study aims to analyze the honest behavior of students in learning Physics, especially the material of heat and its transfer at SMA Negeri 7 Jambi City.

**Methodology:** This research design uses a descriptive type, where the researcher describes the honest attitude of students. This research was at Senior High School 7 in Jambi City. The population in this study were all students of class XII IPA SMA Negeri 7 Jambi City with a total of 60 respondents.

**Main Findings:** From the results of identifying the attitude of honesty in class XII IPA students at Senior High School 7 in Jambi City based on the parameters that have been explained that the character level of honest behavior of class XII IPA students of Senior High School 7 in Jambi City is in the "Good" category.

**Novelty/Originality of this study:** After the research was carried out, it was found that this research was updated, namely being able to find out how the attitude of honesty of class XI I students, especially at Senior High School 7 in Jambi city.

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## 1. INTRODUCTION

Education is a very important part of life, because with education a person is able to place himself properly in the family and community environment [1], [2]. This requires education to continue to be developed continuously in accordance with the times. The purpose of education in Indonesia is to be carried out interactively, inspiringly, and motivating students to increase resources that are faithful, pious, virtuous, disciplined, responsible, and have high intellectual intelligence [3], [4]. So that education also becomes an integral part for every individual in a nation. The success of education in a country automatically also shows the progress of a country. Individual students as quality human resources can be shown in terms of their mastery of knowledge and character [5], [6]. Character is a fundamental effort in creating learning situations to fulfill students' self-development designed to form students with character. Unfortunately, education in the current era only prioritizes mastery of scientific aspects and students' intelligence [7], [8].

According to Wirayuda et al. [9], educational practices are still in the category of "defective education". Formal education displays practices contrary to the expectations of a more politically autonomous, economically accessible, socially just, tolerant, and culturally pluralist education. Thus, the issue of national character is basically the result of characterless educational practices. Education plays an important role in efforts to develop human resources and determine the progress of a nation. In other words education is the main factor that influences in facing the era of globalization. The achievement of educational potential can be obtained through educational

institutions, one of which is Senior High School. At this level, students have begun to gradually be able to control themselves in thinking scientifically.

In essence, education is a process of assisting self-development, so as to be able to face all changes and problems with an open attitude, as well as a creative approach without losing one's identity [10]. Education is an activity of cultivating humans or making people cultured where to improve human life requires a result of thought, will, and feelings which are the work of humans individually or in groups [11]. In education in Indonesia itself, there are several levels, one of which is the senior high school level. Senior High School is a level of education that must be taken, before proceeding to the next stage of education to a higher level. At the high school education level, one of the subjects studied is physics.

Physics is a science that develops from observing natural phenomena and the interactions that occur in them [12]. As a development of the mindset of students, the related subject is physics. In fact, physics is a subject that is considered difficult and avoided by some students because it requires perseverance, thoroughness and a lot of practice. That attitude is a behavior or action due to a person's reaction to other people or certain objects. Students who do not like physics can be seen from their attitudes and learning outcomes towards physics. Attitudes, both negative and positive in learning physics greatly affect learning outcomes in physics and science, it is known that students have a negative attitude towards learning physics will make learning now or in the future more difficult [13], [14]. Attitudes are divided into positive or accepting attitudes and negative or rejecting attitudes. The attitude of students at school can be shown by their reactions to subjects. In the learning process, teachers should not only focus on the cognitive aspects of students but also focus on the affective aspects of students, namely attitudes towards students.

Attitudes are related to overcoming and managing emotions that occur during the learning process, and they play an important role in directing human behavior". Attitudes have an important role in driving human behavior. According to Astalini et al. [15], explains that, a person's attitude includes feelings such as likes or dislikes related to the tendency to respond to something. Attitude is also an expression of one's values/view of life. Attitude is closely related to handling and managing emotions that occur during the learning process, and plays an important role in directing human behavior. One of the attitudes that needs to be developed from every individual is honest.

Honesty is an attitude that everyone should have. Without honesty, acts of corruption, collusion and nepotism will still exist. Honesty as a value is a person's decision to reveal that the existing reality is not manipulated by means of lying or deceiving others for his own benefit [16], [17]. Honesty is an attitude in which his actions, his words come from the heart, are in accordance with the facts. It was further stated that honesty can also be interpreted as everything that is done in accordance with the norms and conscience. So it is very important that honest behavior or attitude is instilled as early as possible, especially in the world of education [18]. In previous research it was stated that in the application of honest characters such as not lying and being trustworthy the teacher makes habituation, then sets an example so that students can be trusted, and assignments so that students do not cheat [19]. Other research also states that the importance of applying honesty to students through learning is to train habits from an early age so that in the future they become graduates who are not only competent in knowledge alone but also have a wise personality [20], [21]

Based on the explanation of the problem above, the researcher was motivated to conduct an assessment of this problem by focusing on the honest behavior of students in learning Physics at Senior High School 7 Jambi City. This study aims to analyze the honest behavior of students in learning Physics, especially the material of heat and its transfer at Senior High School 7 Jambi City.

## 2. RESEARCH METHOD

This type of research is quantitative research. The purpose of this study is to describe students' honest attitudes, so this research design uses a descriptive type, where the researcher describes students' honest attitudes. Descriptive research is research that aims to collect information about the status of an existing symptom, namely the symptoms that existed at the time the research was conducted [22]. Descriptive research does not aim to test certain hypotheses, but only describes "what is" about a variable, symptom or condition [23].

This research was conducted at Senior High School 7 Jambi City on October 27 2020. The population in this study were all students of class XII IPA Senior High School 7 Jambi City. The sampling technique in this study used a *random sampling technique*, which is a sampling technique in which all individuals in the population either individually or collectively are given the same opportunity to be selected as members of the sample [24]. So that the respondents or samples obtained were 60 students obtained from 20 students in class XII IPA 1, 20 students in class XII IPA 2 and 20 students in class XII IPA 3.

Data collection techniques in this study using a questionnaire. The questionnaire consists of 25 closed questions regarding students' awareness of students' honest behavior, the questionnaire assessment is carried out using a Likert scale and consists. The Likert scale is used to measure attitudes, opinions, perceptions of a person or group about social phenomena. the questionnaire assessment was carried out using a Likert scale and consisted

of 4 options where the options were 4: strongly agree; 3: agreed; 2: disagree; 1: disagree. After the students filled out the questionnaire, they could see the value of the student's range of honesty, while the ranges in this study were:

Table 1. Vulnerable Category Evaluation Questionnaire

Range score	Category
25.00 – 43.75	Not good
43.76 – 62.50	Enough good
62.51 – 81.25	Good
81.26 – 100.0	Very good

In this social phenomenon research, it has been specifically determined by the researcher, which is then referred to as research variables. The answer to each instrument has a gradation from very positive to very negative. The data analysis in this study used descriptive statistical calculations with help program SPSS 25.0 (*Statistical Packages for social Sciences*)

### 3. RESULTS AND DISCUSSION

The student character questionnaire consists of 25 closed questions regarding student awareness in behavior honest in class. For necessity data analysis, researcher use help software SPSS 21.0, as for Parameters that can be searched using this software include mean, median, minimum value and value maximum. These parameters can be used to analyze honest behavior of students in class, besides that, researcher also categorize behavior honest student use scale Likert.

Table 2. Results Descriptive Statistics of Honest Behavior of Class XII Students

Range score	Category	F	%	Means	Median	Mode	Min	Max
25.00 – 43.75	Not good	1	1.7					
43.76 – 62.50	Enough good	1	1.7	74.40	74.00	80.00	63.00	92.00
62.51 – 81.25	Good	48	80.0					
81.26 – 100.0	Very Good	10	16.7					

Based on the data in Table 1, the average (mean) value of the students' honest behavior is 74.40. As for the median value, the result is 74.00, where the mean value is in the "Good" category, while the median value is 74.00, where the value is in the "Good" category.

In order to analyze the honest behavior of students in class XII IPA, it needs to be reviewed in terms of assessment scale Likert. Based on the data in Table 2, there was 1 student who answered the questionnaire in the "Not Good" category with a percentage of 1.7%. Meanwhile there was 1 student who answered the questionnaire in the "Enough good" with a percentage of 1.7%. While 48 students answered the questionnaire in the "Good" category with percentage 80%. And 10 student other answer questionnaire category "Very good" Based on the parameters that have been described, it can be concluded that the character level of honest behavior of class students XII IPA is in the "Good" category. Based on the reality of the current condition of education in Indonesia, a teacher must change paradigm from teacher Becomes education.

Honesty is closely related to the value of truth. According to Novianti et al. [25] honesty is behavior based on trying to make oneself a person who can always be trusted. Thing This is manifested in words, actions, and work, both to oneself and to other parties. Forms of honesty consist of (a) being honest with oneself, (b) being honest in saying, (c) being honest in promising, and (d) honest in doing [26]. Implementation of the value of honesty in learning Physics done by implementing character-based learning in the classroom, as contained in the 2013 curriculum. From the research results obtained by researchers where the character level of honest behavior of class students XII IPA is in the "Good" category with a percentage of 80% or as many as 46 students. According to Djazilan et al. [27] the character of honest behavior can be formed using an educational approach that emphasizes character education. Character education is an educational movement in schools for strengthen character through process formation, transformation, transmission, and development the potential of students by harmonizing the exercise of the heart, exercise of taste, exercise of thought, and exercise in accordance with the Pancasila philosophy of life. In every study in class, the teacher has to show that behind the material being studied, there is a value of life that must be contemplated, internalized, and believed by students which will be useful for later future survival. The value of life in question is "character". Development character (*character building*) is a long-term investment for a teacher. A genius professor would produce one great work, but a teacher with character will be able to produce thousands professor great.

This study aims to analyze the honest behavior of students in learning Physics, especially the material of heat and its transfer at Senior High School 7 Jambi City. The results obtained are in accordance with the research

conducted by Dini who said "cultivating honest behavior needs to be done as early as possible so that the cultivation of these behaviors can be closely attached to the habits of each individual [28]. Honest behavior is one of the many characters that must be possessed by every individual.

Based on the direct experience of researchers during the research process. In this case, there are some limitations experienced and can be a number of factors which is so that it can pay more attention to future researchers in further perfecting their research because this research itself certainly has shortcomings which of course need to be corrected in the future. Some of the limitations in this study, among others, the number of respondents who were only 60 students, of course still not enough to describe the real situation. The object of research is only focused on the character of student honesty which is only one of many other student characters, such as research conducted to look at Social Attitudes, Spiritual Attitudes, and Student Achievement in learning physics [29].

The implications that can be given in this study are that schools are expected to be able to compile and implement school programs in fostering the honest character of students so that they become even better, so schools must form a special section or team whose job is to monitor and evaluate school programs. As well as making innovations in cultivating the honest character of students such as making an honesty canteen. The researcher in this case recommends to the next researcher to be able to develop this research even more broadly, by using a wider research object and adding other variables that can be analyzed for regression or linearity. In addition, other researchers should be directed at the school's efforts in developing the character of student responsibility as a development effort.

#### 4. CONCLUSION

The results of data collection carried out, obtained that information Senior High School 7 Jambi City students also began to play a role in cultivating character values. which character it means honesty. From the results of the identification of students' honesty attitude class XII IPA Senior High School 7 Jambi City based on the parameters that have been explained that the level character behavior honest student class XII IPAs are in category "Well".

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