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## Research Article

### Analysis Level Satisfaction Student in Learning Physics

Nadrah\*

University Muhammadiyah Makassar, Indonesia

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#### \*Corresponding author:

E-mail:

[nadrah@unismuh.ac.id](mailto:nadrah@unismuh.ac.id)

#### ABSTRACT

The population in this study were students of class X- IPA - 2 SMA Negeri 2 Makassar with a size of population of 68 students. Because all population units can be reached and it is possible not If data is damaged, this study uses census research. As for the variables that studied in this study, namely: (1) satisfiers in studying physics which includes achievement individual achievement of students in physics lessons, recognition or self-actualization in PBM physics, learning physics itself, self-responsibility to study physics, and development individual potential of students in studying physics, and (2) dissatisfiers in studying physics which includes family socio-economic conditions, PBM physics conditions, policies and administration school (teachers), student relations, and the quality of teacher supervision. Data collection tools that used in this research is a questionnaire. The data collected were analyzed by the technique of descriptive. The results showed that student satisfaction in studying physics can achieved by satisfiers factors. Student dissatisfaction in studying physics will occur by condition dissatisfier. Based on results study on could it is concluded that if condition satisfiers could achieved, so will give motivation for learn physics, so that possible capable create satisfaction student in learn physics, which Finally, good achievement will be obtained in studying physics. If the condition dissatisfiers could achieved, so no will give motivation for learn physics, so that it is possible to create student dissatisfaction in studying physics that finally won't obtained achievement achievement good in learn physics.

**Keywords:** *Dissatisfiers, Satisfaction, Satisfiers, Physical education*

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#### Introduction

Herzberg's Hygienic-motivation Theory mention existence two group factor which influence work somebody in organization. Factors reason satisfaction work (job satisfaction) have influence booster for achievement and spirit at work, and factors reason

dissatisfaction work (job dissatisfaction) have influence negative (Rizal et al., 2020); (Chang & Chang, 2021). Herzberg differentiate Among factor intrinsic that is motivators or gratification (satisfiers) and extrinsic factors namely maintenance factors or hygienic factors (dissatisfiers). Motivator has influence increase

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performance or satisfaction work whereas factors maintenance prevent decline spirit work or efficiency, and though factors this no could motivating, but could cause dissatisfaction work or lower productivity (Afjar & Syukri, 2020); (Hew et al., 2020). Improvements to factors maintenance will reduce expected, wanted and thought of as something that deserves, or is entitled to him. While every employee by subjective determine how profession that satisfying (Wartono et al., 2017); (Darwas et al., 2020).

Draft satisfaction work apply in all condition work, good that in company, government, school, including in learn lesson physics (Yuan, 2021). Level satisfaction student in learn physics is wrong one aspect psychological which reflect feeling student to lesson physics. Student will feel satisfied if there is suitability Among ability, skills and expectations with lessons physics which faced (Ceberio et al., 2016); (Krasnova & Shurygin, 2020). On the contrary student will feel no satisfied if there is incompatibility Among hope, Skills and ability to Theory physics what he learned at school (P. Sembiring et al., 2017); (Asosega et al., 2022). Application on learning student to physics that is satisfiers have influence give motivation to further create student satisfaction in studying physics and give output optimum. Whereas dissatisfiers give effect negative that is will create student dissatisfaction in studying physics and of course the output no expected. In process study teaching (PBM) satisfier conditioning physics very important to do and dissatisfier should minimized (Chanprasert, 2021).

From description about theories which related with motivation, so in study this use Theory Motivation Hygienic from Herzberg, because according to theory this motivators or satisfaction (satisfiers) could improve performance or job satisfaction (Wang et al., 2019).

Factors which including to in satisfier this is:

- a. performance (achievement)
- b. confession (recognition)
- c. profession that alone (the work itself)
- d. responsibility (responsibility)
- e. e.individual potential development (advancement)

From theories which related with dissatisfiers above, then in this study use Theory Motivation Hygienic from Herzberg, because according to theory this hygienic factors or factors maintenance (dissatisfiers) have influence cause dissatisfaction work or reduce productivity (Ogala et al., 2020); (M. G. Sembiring, 2018). Theory this when applied on learning student to physics that is dissatisfiers I give effect negative that is will create student dissatisfaction in studying Physics and of course the output no expected (Heng, 2018).

Factors which including to in dissatisfiers which influence level student satisfaction in studying physics if connected with theory motivation maintenance Herzberg is as following:

- a. Condition social economy family
- b. Condition PBM physics
- c. Wisdom and administration school (teacher)
- d. Connection between student
- e. Quality supervision teacher.

## Methods

The object of this research is satisfiers and dissatisfiers on the level of student satisfaction in studying physics in class X- IPA - 2 SENIOR HIGH SCHOOL Country 2 Makassar. Population in study this is student class X- IPA- 2 Senior High School Negeri 2 Makassar with a population size of 68 student. Because all population units can affordable and possible no occur damage data, so study this use study census.

Method collection data which used in research this that is:

- a. Method Observation

Method Observation used for know the state of SMA Negeri 2 Makassar with various problem which relevant with problems in research.

- b. Method Questionnaire

Questionnaire is amount question written which used for get information from respondent in meaning report about his personality, or the things he knows (Cervera-Gasch et al., 2022) Method inner questionnaire study it is used for get information about things which related with satisfiers and dissatisfiers as part from level satisfaction student in studying physics (Bergeler & Read, 2021).

## c. Method Interview

Method this used as method support in complete data so that obtained description variable which comprehensive.

## d. Method Documentation

The documentation method is a method collection data which obtained through source written (Bawaneh, 2020). Method documentation used for knowing data statistics like amount students, school monograph, organizational structure school, and etc. Data which has collected analyzed with method analysis descriptive (Shabila & Moh. Djemdjem Djameludin, 2022).

## Result and Discussion

### *Factors Satisfiers on Level Satisfaction Student in Learn Physics*

Application Theory Herzberg about satisfaction work on learning student to physics that is satisfiers have influence give motivation for then it will create student satisfaction in learn physics and give optimum output. The factors that satisfiers affect the level of student satisfaction in learn physics when connected with theory motivation maintenance Herzberg is as following:

### *Student Individual Achievement in Lesson Physics*

Achievement performance individual student in lesson physics interpreted as achievement knowledge and Skills in field physics or mastery Theory physics by whole in activity learn to teach physics in schools (Shah et al., 2022). Achievement or this achievement is not always linked with achievements or outputs in the form of values (Veretekhina et al., 2020). Achievement this more connected with condition psychological where individual feel have attained the skills and knowledge in physics during and after the process study teach physics take place.

### *Level Depth Knowledge Theory Physics*

Depth level of material knowledge physics contains the meaning of how deep knowledge of physics is given by the teacher in learning physics in class. From results research can be known the answer of the respondent about the level of depth of material knowledge physics which listed in table 1 following.

Table 1. Level Depth Knowledge Theory Physics

No	Choice Answer	Respondent	%
1	Very Agree	31	45.6
2	Agree	26	38.2
3	Neutral	5	7.4
4	Not enough Agree	5	7.4
5	Not Agree	1	1.5
Amount		68	100

Thing this indicates existence the desire of the majority of respondents to get knowledge which deep about physics material, regardless of the value of physics which will obtained. Achievement knowledge and skills in physics are more essential rather than achieving output in the form of value, because the final value does not always describe achievement knowledge and Skills students in physics (Parmenter, 2021). This is caused by score end determined from various factor. Achievement knowledge and Skills in physics is only one of the factors that contribute to the determination

of the final score student. So that could concluded that student satisfaction in studying physics can be achieved if students gain knowledge Theory physics which deep.

### *Balance Mastery Theoretical and Skills*

In learning process teach physics needed existence balance mastery theoretical and Skills. Giving theoretical physics material just without balanced Theory practical will make learning Becomes limping. If occur condition that learning Theory physics only addressed

for mastery by theoretical just without followed with mastery Skills processing questions

practice, so answer respondent listed in table 2 under this.

*Table 2. Balance Mastery Theoretical and Skills*

No	Choice Answer	Respondent	%
1	Very Agree	1	1.5
2	Agree	5	7.4
3	Neutral	4	5.9
4	Not enough Agree	17	25
5	Not Agree	41	60.3
<b>Amount</b>		68	100

This indicates the desire of part big respondent will existence balance between theoretical mastery and mastery Skills processing question physics exercise. Achievement of theoretical mastery without followed by mastery Skills, will not lead to student satisfaction in learn physics and naturally achievement destination learning physics. So that could concluded that satisfaction student in studying physics will be achieved if there is balance between theoretical mastery and mastery of problem solving skills practice physics.

#### ***Confession or Actualization Self in Physics PBM***

Confession or actualization self in PBM physics interpreted as ability student for use

proficiency, Skills, and potency optimal for self actualize physics learning. Self-actualization needs in PBM physics this different Among student the one with student other.

#### ***Equal Rights of Students to Apply Question in the Forum Discussion***

Wrong one form embodiment equality right in learning physics is to provide opportunities the same for every student in the discussion forum for submit question. From results research can be known the answer of the respondent about equality right student for submit question in forum discussion which listed in table 3 following.

*Table 3. Equality Right Student for Submit Question in Forum Discussion*

No	Choice Answer	Respondent	%
1	Very Agree	35	51.5
2	Agree	16	23.5
3	Neutral	12	17.6
4	Not enough Agree	4	5.9
5	Not Agree	1	1.5
<b>Amount</b>		68	100

This indicates the desire and part big respondent will existence equality right student for submit questions in the physics discussion forum. Teacher sued for no discriminate students, because every student have right and want to be treated the same. Student want to be free to self actualize learning physics (O'Brien et al., 2020). Thing this will make students are satisfied in studying physics. So that " could concluded that satisfaction student in learn

physics will achieved when there is equality right student for submit question in discussion forum physics.

#### ***Factors Dissatisfiers on Level Satisfaction Student in Learn Physics***

Application theory Herzberg on learning student to physics that is dissatisfiers give effect negative that is will create student dissatisfaction in study physics and of course output

that not expected. Factors included into the dissatisfiers which influence level satisfaction student in learn physics when associated with the theory of motivation maintenance Herzberg is as following:

### **Condition Social Economy Family**

Condition social economy family interpreted as level conducive family communication and level of well-being family which cover level income person old, means and facility study which owned student in house. From various study which relate with condition social and economy family got that condition this influence satisfaction study and performance study student (Vasconcellos et al., 2020).

This has meaning that when the family's social conditions are conducive and state economy family which enough so student will study with calm, capable buy equipment lesson like book package, sheet work student, and tools support study which other, so will increase spirit study student in learn physics and will minimize dissatisfaction student in learn physics.

### **Policy and Administration School (Teacher)**

Policy and administration school (teacher) interpreted as policy or rule- the rules that teachers apply to their students in Thing learning physics. The implementation is in the form of assignments structured which has determined time collection, processing sheet work student, profession house, including method or technique teacher in evaluate development student in studying physics.

### **Connection Between Student**

The relationship between students is defined as interaction which occur Among individual student with individual student which other in physics learning. This can be seen when work tasks group, nor discussion. When students are involved in the work Duty group, so can seen is student the play a role active or no. Whether the individualism appears or not. Connection student which intertwined good, good in the class when (PBM) learning process teach physics occur nor in outside learning process teaching, minimize dissatisfaction student in learn physics.

## **Conclusion**

Based on results study level student satisfaction in studying physics at student class X-IPA- 2 SENIOR HIGH SCHOOL Country 2 Makassar, so could concluded that: If condition satisfiers could achieved, so will give motivation for study physics, so possible capable create student satisfaction in studying physics, which will finally be achieved performance which good in learn physics. If the dissatisfies condition can be reached, so no will give motivation for learn physics, so that possible capable create dissatisfaction student in learn physics, which will not be obtained in the end achievement performance which good in learn physics.

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