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Review Article

Preparation Analysis of SMA Students in Physics Physics in Dealing with Unbk Year 2017

Singgih Bektiarso[1], Sudarti[2], I Ketut Mahardika[3], A Joko Lesmono[4], Maryani[5]

[1]Lecturer of Physics Education Department, University of Jember, Jember-Indonesia,
[2]Lecturer of Physics Education Department, University of Jember, Jember-Indonesia,
[3]Lecturer of Physics Education Department, University of Jember, Jember-Indonesia,
[4]Lecturer of Physics Education Department, University of Jember, Jember-Indonesia
[5]Lecturer of Physics Education Department, University of Jember, Jember-Indonesia

Abstract: According to the regulation of National Education Standards Agency No: 0043 / P / BSNP / I / 2017 about standard operational procedure of national exam implementation Year 2016/2017, then almost all SMA preparing to carry out Computer Based National Exam (UNBK). Positive thing is expected that through UNBK will get more objective data and train honesty pasa student. Therefore, preparation is required both the device UNBK and student preparation. This study aims to assess the readiness of students in facing UNBK, especially students with specialization Physics subjects. The samples of this study were obtained by purposive sampling, by determining one SMA Negeri who had conducted UNBK in the previous year (first school) and one school that had never implemented previous UNBK (second school). Test results in the first School with a total of students majoring in Science 201 students, who chose Physics subject only 34 students. The average score of Physics exam results only reached 48.48 and 20 (58.82%) of students did not pass (grades less than 5.5). While the average mathematics exam results reached 52.27 and who did not pass a number of 86 students (42.78%). The results of the exam in the second school with a total of 171 students of science majors, who chose Physics 73 students. The average score of Physics exam results only reached 35.25 and only 7 students graduated. While the average mathematics exam results reached 38.27 and who passed only 23 students. The results of this study can be concluded that the level of readiness of students in schools that have implemented UNBK quite good, while the level of readiness of students in schools who have never implemented UNBK classified as less ready.

I. INTRODUCTION

The subject of physics Is one of the subjects that became the choice for the specialization of science in high school. National Examination according to Syawal Gultom is the evaluation system of basic and secondary education standards in Indonesia. In addition, as a means to map the quality of different levels of education one area with other regions. According to Hari Setiadi, the National Examination is an assessment of learning outcomes by the government aimed at assessing the achievement of national graduate competence on certain subjects in science and technology groups. According to HAR Tilaar, the National Examination is a government effort to evaluate the national level of education by setting national education standard. The result of the National Exam held by the State is the effort of mapping educational issues in order to formulate the national education policy.

According to the regulation of National Education Standards Agency No: 0043 / P / BSNP / I / 2017 about standard operational procedure of national exam implementation Year 2016/2017, then almost all SMA preparing to carry out Computer Based National Exam (UNBK). Computer Based National Examination (UNBK) is a system of National Examination (UN) which uses the computer as a test medium. According to Meitasari (2016), in the implementation of UNBK is different from the paper-based UN system that we know so far. Thus, there are requirements that must be met by schools to be able to follow the UNBK is only held on schools that are ready both in terms of infrastructure, human resources, and participants. Infrastructure utilizing existing computer laboratories in schools are qualified laboratories and hardwere in the laboratory. While the HR includes the role and main tasks of proctor, technician, supervisor and examinees.

Positive thing is expected that through UNBK will get more objective data and train honesty pasa student. Therefore, preparation is required both the device UNBK and student preparation.

This study aims to assess the readiness of students in facing UNBK, especially students with specialization Physics subjects. The samples of this study were obtained by purposive sampling, by determining one SMA Negeri who had conducted UNBK in the previous year (first school) and one school that had never implemented previous UNBK (second school). Test results in the first School with a total of students majoring in Science 201 students, who chose Physics subject

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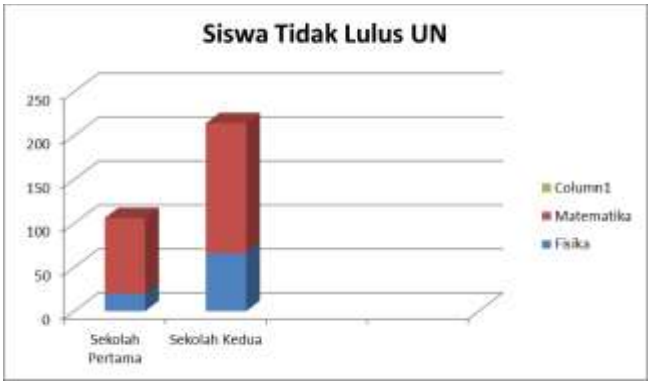
II. RESEARCH METHODS

The research method used is descriptive research. Data obtained from data try out UNBK. The samples of this study were obtained by purposive sampling, by determining one SMA Negeri who had conducted UNBK in the previous year (first school) and one school that had never implemented previous UNBK (second school).

III. RESULTS AND DISCUSSION

School	N	N	X Physics	Not pass	X Math	Not pass
SMA UNBK first	201	34	48.48	20	52.27	86
SMA UNBK second	171	73	35.25	66	38.27	148



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CONCLUSIONS AND SUGGESTIONS

Based on the results of this study proves that the level of readiness of students in schools that have implemented UNBK quite good, while the level of readiness of students in schools that have never implemented UNBK classified as less ready.

IV. References

1) Gultom, Shawwal. National Exam 2012. As the spacecraft Evaluation of National Character Education. Vol 5.

2) HAR Tilaar. 2006. The National Education Standards: A Critical Improved overview. Jakarta: Rineka Cipta. Page 109-110.

3) Kemendikbud, R & D. (2015). Unbk and Unpkk Training Manual 2015/2016. Jakarta: Center for Assessment of Education Research and Development Agency Ministry of Education and Culture. Hal 1-2.

4) Lv X, Wu Z, Li Y, 2014, the effect of electromagnetic radiation on the coils used in aneurysm embolization. Neuroradiol J. 2014 Jun; 27 (3): 350-5. Doi: 10.15274 / NRJ-2014-10050. Epub 2014 Jun 17

5) Meitasari, AI 2016. Evaluation of School Readiness in Facing Computer Based National Exam (UNBK) in SMA Negeri 1 Bergas Semarang regency. Information technology. Vol. 1, No. 1.

6) Setiadi, Hari. Impact of National Examination On National Character. Journal. Page 2

7) Sudarti, 2012, Analysis of Electromagnetic Fields Exposure to Extremely Low Frequency (ELF) in the Environment By SUTET-500 kV, Saintifika (ISSN: 1411-5433), Vol. 14 No.

8) UN CBT, Admin. (2016). UNBK 2016 National Computer Based Exam, http://uncbt.com/unbk-2016/.

9) UN CBT, Admin. (2016). Guidelines UNBK 2016 National Computer Based Exam, http://uncbt.com/unbk-2016/. Retrieved March 25, 2016 at 21:06 pm.

10) Young, HG 2012. College Physics 9th Edition. San Francisco: Pearson Education, Inc.