

THE QUALITY ANALYSIS OF CHEMISTRY ITEM IN FINAL SEMESTER EXAMINATION FOR TENTH GRADED VOCATIONAL STUDENT MAJORING IN COMPUTER AND NETWORKING ENGINEERING IN BANTUL REGENCY

by Dr. Das Salirawati, M.Si, I Made Sukarna, Anggiyani REN, M.Pd

ABSTRACT

ABSTRACT

This research aims to investigate the quality of final semester examination items given to Computer and Networking Engineering students. The test items were made by 4 chemistry teachers in state vocational school and 4 chemistry teachers in private vocational school in Bantul regency. This research discussed the quality of the test items made by the state vocational school chemistry teachers, the quality of the test items made by the private vocational school chemistry teachers, and the quality of the overall test items made by the state vocational school and private vocational school chemistry teachers. The quality of the test items was measured by using four variables: (1) material, construction, and language aspects, (2) cognitive level comparison, (3) the appropriateness of the materials tested to the materials covered in 2013 Curriculum, and (4) the appropriateness of the number of the test items given to the materials covered and time allocated.

This research used ex-post facto research design. The sample of the research was taken from the final examination test items for the tenth-grade vocational school students of Computer and Networking Engineering in Bantul regency in 2017/2018 academic year. There were four state vocational schools and four private vocational schools involved in this research. The quality of the final examination test items was measured by using the instrument which had been validated by three lecturers whose specialty were in Chemistry Education. Therefore, the results of the data analysis were in the form of descriptive qualitative data in the four variables used.

For the first variable, the aspect of material, construction, and language, it was found that the quality of the final examination test items was good. For the second variable, cognitive level comparison, it was found that the quality of the final examination test items in the four state vocational schools was good meanwhile the quality of the final examination test items in the four private vocational schools was fair. For the third variable, the appropriateness of the materials tested to the materials covered in 2013 Curriculum, it was found that the mean percentage in the four state vocational schools was good while the mean percentage in the four private vocational school was excellent. Lastly, for the fourth variable, the appropriateness of the number of test items given to the materials covered and time allocated, it was found that the mean percentage in four state vocational school was fair meanwhile the mean percentage in four private vocational school was poor. Talking about the quality of the overall test items made by the state vocational school and private vocational school Chemistry teachers measured by using the four variables of concern, it was found that (1) the aspect of material, construction, and language was in excellent category, (2) cognitive level comparison was in fair category, (3) the appropriateness of the materials tested to the materials covered in 2013 Curriculum was in excellent category, and (4) the appropriateness of the number of test items given to the materials covered and time allocated was in fair category. Regarding to the result of this research, it is highly suggested for the vocational school Chemistry teachers to be able to construct good and appropriate test items

Kata Kunci: *analysis, items quality, final semester examination, chemistry teachers of vocational school*