

**ITEM ANALYSIS OF CHEMISTRY ODD SEMESTER EXAMINATION
OF CLASS XI SMA NEGERI 1
BERASTAGI ACADEMIC YEAR 2017/2018**

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ABSTRACT

The aim of this research is to know the quality of item from chemistry odd semester examination of class XI SMA Negeri 1 Berastagi in academic year 2017/2018 viewed from the quantitative analysis and qualitative analysis. The results of this Research are: item analyzed in terms of material, construction, and language aspects have very high categorical content validity. The distribution of the class of cognitive domain of this research are remember (C1) (30%), about categorize understanding (C2) (30%), about categorize apply (C3) (25%), about categorizing the analysis (C4) (15%). The quality of item is reviewed from the validity aspect, which are (10%) are category as very significant categories, (65%) are categorized as significant, and (25%) are categorized as un significant. Calculation of reliability aspects of item obtained reliability coefficient of 0.79 with high criteria. Aspects of the difficulties of item are (5%) items in very easy category, (20%) items in easy category, (65%) items in medium category, (10%) items in difficult category. Aspects for the distinguish power analysis are (15%) questions in very good categories, (65%) questions in good category, (15%) questions in enough categories, (5%) questions in bad categories, and (0%) questions in very bad categories. The effectiveness aspect is there are (65%) items effective categorical and (35%) items categorized as ineffective. Implementation of the test is quite good, because the preparation of teaching factors, especially material that has been mastered and taught the maximum in learners. The results of the study indicate that item analysis can detect deficiencies in items. Therefore, the preparation of the questions should go through the analysis phase of the items.

Keywords: *item analysis, Chemistry, qualitative analysis, quantitative analysis*

