

ABSTRACT

Diah Anggraeni. Development of Mathematics worksheet By Method of survey, question, read, recite, and review (SQ3R) On Algebra Oprah Material for Student Package B Center for Community Learning Activity (PKBM). Essay. Jakarta: Mathematics Education Program, Faculty of Mathematics and Natural Sciences, Jakarta State University, July, 2017.

This study aims to generate learning resources in the form of mathematics worksheet for the students of Package B. This worksheet is made due to the lack of mathematics learning resources contained in PKBM thus making the students less motivated to learn and difficulty to understand the material of algebraic operations. Based on the needs analysis, the material developed is the material of algebraic operation with SQ3R method. The SQ3R method consists of four stages: survey, question, read, recite, and review. The four stages are contained in the developed worksheet.

This research uses research and development method (research and development). This research is through five stages. The first stage is the preliminary research stage conducted by spreading the questionnaire needs analysis to the students Package B PKBM Negeri 34 Cipayung. The second stage is the planning stage that begins with outline the contents of the media (GBIM) as a guide in the preparation of worksheet. The creation of GBIM is tailored to the results of curriculum analysis, materials, and learning objectives. The third stage is the development stage that starts with drafting. Further validation is done by material and language experts, media experts. Assessment and suggestions obtained from the expert test are used as revisions of worksheet. The improved worksheet are used for field trials. The fourth stage of small group field trials involving teachers and students. Finally, the fifth stage is a field test of a large group of students involving more students with different PKBM.

The results of worksheet are developed based on material and linguistic aspects validated by material experts and categorized language very well with 84.31% percentage. Then based on the presentation aspect of worksheet that has been validated by media experts categorized very well with the percentage of 81.7%. Based on the aspects of material, linguistics, and presentation that have been evaluated by teachers categorized very well with the percentage of 90.59%. Based on the results of small group testing conducted on 10 students obtained a percentage of 87.06% which is categorized very well. Based on the results of trials of large groups of students conducted in three different PKBM obtained an overall percentage of 88.27% who categorized very well. The results of these tests indicate that the mathematical worksheet developed have been feasible to be used in the learning process of the students of Paket B PKBM.

Keywords: WORKSHEET, Paket B, PKBM, Research and Development, SQ3R, Operation Algebra