

**ABSTRAK**

**Tejo Idas Subonggo. 2019. Efektivitas Penggunaan Program VBA (*Visual Basic For Applications*) di *Microsoft Power Point* pada Kegiatan Apersepsi Materi Pra-Syarat Segiempat Kelas VII SMP Kanisius Sleman Tahun Ajaran 2018/2019. Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma, Yogyakarta.**

Penelitian ini bertujuan untuk mengetahui efektivitas penggunaan kuis dengan bantuan VBA di *microsoft power point* pada kegiatan apersepsi materi pra-syarat segiempat kelas VII SMP Kanisius Sleman dan mengembangkan kegiatan apersepsi pembelajaran dengan bantuan program VBA.

Penelitian ini merupakan penelitian eksperimen semu. Sedangkan jenis penelitian yang digunakan adalah penelitian kuantitatif dan penelitian kualitatif. Sampel dalam penelitian ini adalah 22 siswa kelas VII A dan 22 siswa kelas VII B. Pembelajaran matematika dengan menggunakan bantuan VBA di *microsoft power point* dilakukan di kelas VII A sedangkan pembelajaran matematika tanpa menggunakan bantuan VBA di *microsoft power point* dilakukan di kelas VII B. Penelitian ini melibatkan guru sebagai subjek penelitian dan selanjutnya mengambil 2 siswa dari 22 siswa di kelas VII A secara acak untuk diwawancarai terkait penggunaan kuis dengan bantuan VBA. Data yang dihasilkan dari penelitian ini adalah (1) data keterlaksanaan proses pembelajaran berupa lembar observasi, (2) data motivasi belajar berupa lembar kuesioner motivasi belajar, (3) data hasil penggunaan kuis VBA berupa lembar kuesioner media kompuer, (4) data hasil wawancara berupa catatan hasil wawancara.

Hasil penelitian menunjukkan bahwa (1) motivasi belajar dari penggunaan program VBA pada kegiatan apersepsi pembelajaran materi pra-syarat segiempat lebih tinggi dibandingkan dengan motivasi belajar tanpa menggunakan program VBA pada kegiatan apersepsi pembelajaran materi pra-syarat segiempat. (2) penggunaan program VBA dalam kegiatan apersepsi pembelajaran matematika efektif untuk meningkatkan motivasi belajar siswa di kelas VII SMP Kanisius Sleman.

**Kata Kunci:** efektivitas, program VBA, motivasi belajar, kegiatan apersepsi, segiempat.

**ABSTRACT**

***Tejo Idas Subonggo. 2019. Effectiveness of Use of the VBA (Visual Basic For Applications) Program in Microsoft Power Point on the Perception of Pre-Requirements of Class VII Class Material in Kanisius Middle School Sleman Academic Year 2018/2019. Essay. Mathematics Education Study Program, Department of Mathematics and Natural Sciences Education, Teacher Training and Education Faculty, Sanata Dharma University, Yogyakarta.***

*This study aims to determine the effectiveness of quiz use with the help of VBA in microsoft power point on the apperception activities of the material in class VII quadrilateral prerequisites of Kanisius Middle School in Sleman and to know how to develop learning apperception activities with the help of the VBA program.*

*This research is a quasi-experimental study. While the type of research used is quantitative research and qualitative research. The sample in this study were 22 students of class VII A and 22 students of class VII B. Learning mathematics using VBA assistance in microsoft power point was done in class VII A while mathematics learning without using VBA assistance in microsoft power point was done in class VII B. Research this involves the teacher as the subject of research and then takes 2 students from 22 students in class VII A randomly to be interviewed regarding the use of quizzes with the help of VBA. The data generated from this study are (1) the implementation data of the learning process in the form of observation sheets, (2) learning motivation data in the form of learning motivation questionnaires, (3) data on the use of VBA quizzes in the form of computer questionnaire sheets, (4) interview data in the form of records of interview results.*

*The results of the study showed that (1) learning motivation from the use of the VBA program on the learning apperception activities of the material pre-quadrangle requirements was higher than the motivation to learn without using the VBA program on the apperception activities of the quadrilateral pre-requisite learning material. (2) the use of the VBA program in the activity of apperception of effective mathematics learning to increase learning motivation of students in class VII of Kanisius Sleman Middle School.*

**Keywords:** *effectiveness, VBA program, learning motivation, apperception activities, quadrilateral.*