ABSTRAK

Sari, Amelya Permata, 2025. Pengembangan *Rotation Station Model's Blended* Berbasis *Project Based Learning* Berorientasi Kemampuan Berpikir Kritis Matematis Siswa SMP. Prodi Magister Pendidikan Matematika, Pascasarjana Universitas Jambi, Pembimbing: (I) Drs. Jefri Marzal, M.Sc., D.I.T. (II) Dr. Dra. Zurweni, M.Si.

Pada penelitian ini bertujuan untuk mengetahui pengembangan blended learning tipe station rotation model berbasis project based learning berorientasi kemampuan berpikir kritis matematis siswa smp terdiri dari metode pembelajaran blended learning tipe rotasi stasiun, model pembelajaran project based learning, dan berorientasi berpikir kritis peserta didik. Pada penelitian ini merupakan penelitian pengembangan yang menggunakan metode ADDIE dengan tahapan pengembngan uji coba perorangan, uji coba kelompok kecil dan uji coba lapangan . penelitian ini di laksanakan di SMP N 5 Kota Jambi pada kelas VIII.G, instrumen yang digunakan instrumen angket terbuka dan tertutup serta soal pretest dan postest, data penelitian ini kuliatatif dan kuantitatif dengan menggunakan Uji N-gain. Hasil penelitian ini di dapatkan nilai 0,7748 dapat dikategorikan peningkatan skor N-Gain kemampuan pengembangan Blended learning berbassis model PjBL berorientasi berpikir kritis terkategori tinggi, dan Hasil dari pre-test dan post-test berorientasi berpikir kritis peserta didik yang berjumlah 39 orang setelah pembelajaran daring menggunakan RPP model PjBL secara BL Tipe rotasi stasiun materi persamaan garis lurus persentase nilai N-gain yang diperoleh pada analisis pretest dan posttest angket berpikir kritis matematis adalah 77,48% dapat di tafsirkan peningkatan kemampuan berpikir kritis matematis efektif..

Kata kunci: Pengembangan, Blended learning tipe rotasi stasiun, Project based learning, berpikir kritis, pembelajaran matematika.

ABSTRACT

Sari, Amelya Permata, 2025. Development of the Rotation Station Model's Blended Based on Project-Based Learning Oriented to the Mathematical Critical Thinking Skills of Junior High School Students. Master's Program in Mathematics Education, Postgraduate School of Jambi University, Supervisor: (I) Drs. Jefri Marzal, M.Sc., D.I.T. (II) Dr. Dra. Zurweni, M.Si.

This research aims to determine the development of a station revolution type blended learning model based on project based learning focused on junior high school students' mathematical critical thinking abilities consisting of a station rotation type blended learning learning method, a project based learning learning model, and a focus on students' critical thinking. This research is development research using the ADDIE method with development stages of individual trials, small group trials and field trials. This research was carried out at SMP N 5 Jambi City in class VIII.G, the instruments used were open and closed questionnaires as well as pretest and posttest questions, this research data was qualitative and quantitative using the N-gain test. The results of this research obtained a value of 0.7748, which can be classified as an increase in the N-Gain score, the ability to develop Blended learning based on the PjBL model, critical thinking orientation is categorized as high, and the results of the pre-test and post-test are critical thinking oriented for 39 students after learning. dare to use the PjBL RPP model in a BL type Station rotation material, straight line equations, the percentage of N-gain values obtained in the pretest and posttest analysis of the mathematical critical thinking questionnaire is 77.48%. interpret the increase in effective mathematical critical thinking skills.

Keywords: Development, Station rotation type blended learning, Project based learning, critical thinking, mathematics learning.