

ABSTRAK

Ernawati, E. 2023. *Pengaruh Pendekatan Pembelajaran PMRI terhadap Motivasi dan Hasil Belajar Peserta Didik pada Materi Peluang Kelas VIII SMP Negeri 4 Tanjungpinang*. Skripsi. Tanjungpinang: Jurusan Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Maritim Raja Ali Haji. Pembimbing I: Assist. Prof. Dr. Desi Rahmatina, S.Pd., M.Sc. Pembimbing II: Assist. Prof. Susanti, S.Pd., M.Pd.

Kata Kunci: Hasil Belajar, Motivasi, Peluang, PMRI

Tujuan penelitian ini untuk melihat pengaruh pendekatan pembelajaran PMRI terhadap motivasi dan hasil belajar peserta didik kelas VIII SMP Negeri 4 Tanjungpinang. Penelitian ini merupakan penelitian kuasi eksperimen dengan pendekatan kuantitatif. Sampel pada penelitian ini yaitu 40 peserta didik kelas VIII-7 sebagai kelas eksperimen. Sedangkan kelas 39 peserta didik kelas VIII-8 sebagai kelas kontrol. Teknik pengumpulan data dilakukan melalui lembar observasi, angket motivasi dan lembar tes.

Uji statistik kemampuan awal peserta didik melalui Uji Mann Whitney. Hipotesis penelitian diuji pada taraf signifikansi 5%, menggunakan Uji GLM Manova. Kemudian dilanjutkan dengan melihat besar pengaruhnya (*effect size*) melalui *output partial eta squared*. Hasil analisis statistik data *pretest* menunjukkan data tidak berdistribusi normal maka dilanjutkan melalui uji *Mann Whitney*. Hasil uji tersebut menunjukkan bahwa kemampuan awal peserta didik pada materi peluang sama. Uji normalitas pada motivasi dan hasil belajar menunjukkan data berdistribusi normal sehingga digunakan pengujian hipotesis uji Manova. Hasil analisis uji Manova menunjukkan nilai sig. 0,004 bahwa terdapat pengaruh pendekatan pembelajaran PMRI terhadap motivasi dan hasil belajar peserta didik kelas VIII SMP dengan besarnya pengaruh pendekatan yaitu 0,156 masuk kategori besar.

ABSTRACT

Ernawati, E. 2023. The Effect of the PMRI Learning Approach on Student Motivation and Learning Outcomes on Opportunity Material in Grade VIII SMP Negeri 4 Tanjungpinang. Thesis. Tanjungpinang: Mathematics Education Department, Teacher Training and Education Faculty, University of Maritime Raja Ali Haji. Advisor: Assist. Prof. Dr. Desi Rahmatina, S.Pd., M.Sc. Co-Advisor: Assist. Prof. Susanti, S.Pd., M.Pd.

Keywords: Learning Outcomes, Motivation, Opportunities, PMRI

The purpose of this study was to see the effect of the PMRI learning approach on the motivation and learning outcomes of grade VIII students of SMP Negeri 4 Tanjungpinang. This research is a quasi-experimental research with a quantitative approach. The sample in this study was 40 students in grade VIII-7 as an experimental class. Meanwhile, 39 students in grade VIII-8 served as the control class. Data collection techniques were carried out through observation sheets, motivational questionnaires and test sheets.

Statistical test of students' initial abilities through the Mann Whitney Test. The research hypothesis was tested at a significance level of 5%, using GLM Manova test. Then proceed by looking at the effect size through the partial eta squared output. The results of the statistical analysis of the pretest data showed that the data were not normally distributed, so it was continued through the Mann Whitney test. The test results show that the students' initial abilities on the opportunity material are the same. The normality test on motivation and learning outcomes shows that the data is normally distributed so that the Manova test hypothesis test is used. The results of the Manova test analysis show the sig. 0.004 that there is an effect of the PMRI learning approach on the motivation and learning outcomes of class VIII SMP students with the magnitude of the influence of the approach, namely 0.156, which is in the large category.