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ABSTRACT

PREDICTION OF THE NUMBER OF NEW STUDENT REGISTRATIONS USING TIME SERIES METHOD

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SMK Negeri 2 North Bengkulu is one of the Vocational High Schools in North Bengkulu which has several majors that students can choose. At the beginning of each new academic year, there will be a reception for prospective new students. There is often competition in attracting prospective new students to enter SMK Negeri 2 North Bengkulu. With the competition between vocational schools, the number of new student registrations will increase each year and it is possible that there will be a decrease in prospective new students, so that the number of new students at these vocational schools will be unstable. The prediction application for the number of new student registrations at SMK Negeri 2 North Bengkulu is an application that can help schools to find out how many student registrations there will be in the next academic year based on the results of analysis that has been carried out from previous trend data. This application can be accessed by the domain URL link, namely https://smkn2bengkuluutara.online/ via a browser using internet access. From the sample data from TKRO, TKP, and TKJ departments from 2018/2019 to 2022/2023 academic year, the predicted results for the number of new student enrollments in the 2023/2024 academic year were obtained, namely TKRO of 100 students, TKP of 36 students and TKJ as many as 64 students. Based on the results of the time series method analysis, the results showed that the functional application for predicting the number of new student registrations at SMK Negeri 2 North Bengkulu has been running well and the prediction results for TKJ Department in 2023/2024 academic year are very accurate, while the prediction results for TKP and TKRO departments 2023/2024 school year is not accurate.

Keywords: Prediction, Number of New Student Registrations, Time Series Method

1) Student
2) Supervisors

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