

ABSTRACT

THE EFFECT OF SCIENCE STUDY ON THE DIMENSION OF CRITICAL REASONING IN THE PROFILE OF PANCASILA STUDENTS PHASE B AT SDN KOLOR II SUMENEP

Keywords: Science Subjects, Pancasila Student Profiles and Critical Reasoning Dimensions.

This study aims to determine whether there is a significant influence from the ipas subject matter of plants, the source of life on earth on the dimension of critical reasoning on the profile of Pancasila students in phase B class IV at SDN Kolor II Academic Year 2022/2023 in the sub-district of Sumenep City, Sumenep Regency.

*The type of research used is a descriptive study with a quantitative approach. The subjects of this research were phase B students, namely class IV of SDN Kolor II for the 2022/2023 academic year. The sample of this study was the fourth grade students of SDN Kolor II as many as 48 students divided from class 4A with 25 students and 4B with 23 students. The data collection instrument used was a questionnaire consisting of 12 questions. Data analysis techniques used normality test, linearity test, simple linear regression analysis and partial test (*t* test). The results showed that based on the results of the *t*-test research, it was obtained that the Science subject had a significant effect on the dimensions of critical reasoning on the profile of Pancasila students in Phase B students at SDN Kolor II Sumenep.*

*In testing the hypothesis from the results of the *t*-test the IPAS subject variable has a *t* count of 13.296 with a sig value of $0.000 < 0.05$. This means that there is a partial significant effect on the science subject variables on the critical reasoning variable. This study also shows that if the science science subject variable increases by 1%, then the critical reasoning dimension variable will increase by 40.3%. The relationship between science subjects and critical reasoning dimensions has a positive direction, which means that the higher the understanding of science subjects, the students' critical reasoning abilities will increase.*