

THE RELATIONSHIP BETWEEN SMARTPHONE USE AND VISUAL ACUITY OF STUDENTS AT SDN 1 PURWODADI

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ABSTRACT

One technology that is developing rapidly at the moment is smartphones. Smartphones are not only used by teenagers and adults, but are also used by school age children. Smartphones are one of the causes of decreased visual acuity if they are used excessively. The aim of this research was to determine the relationship between smartphone use and visual acuity of students at SDN 1 Purwodadi. This research is descriptive quantitative with a cross sectional approach. The population in this study were students who used smartphones in class IV at SDN 1 Purwodadi, totaling 31 respondents. The sampling technique used in this research used total sampling. Data collection instruments used questionnaires and observations using the Snellen Chart which was processed using the Pearson Correlation test using SPSS. The research results from the Pearson Correlation statistical test showed a significant value of 0.025. Where the p value (0.025) < the α value (0.05), then H_0 is rejected and H_a is accepted, which means there is a relationship between smartphone use and the visual acuity of students at SDN 1 Purwodadi. The conclusion from this study is that smartphone use is related to visual acuity.

Key words : smartphone, visual acuity