

ABSTRACT

MELLYSA AMALIA. Penerapan Model *Brain Based Learning* Sebagai Upaya Meningkatkan Kemampuan Literasi Matematis dan *Habits of Mind* Siswa SMP

The purpose of this study is to determine: 1) the improvement of the mathematical literacy ability of students who obtained the Brain Based Learning model was higher than that of students who obtained the ordinary learning model, 2) the achievement of habits of mind of students who obtained the Brain Based Learning model was better than students who obtained the ordinary learning model, and 3) the correlation between mathematical literacy ability and habits of mind students who acquire the Brain Based Learning model. The research method used is a quasi-experiment with research design is nonequivalent control group design. The subjects in this study were class VIII students of SMPN 1 Baleendah for the 2021-2022 school year as many as two classes with a total sample of 72 students, namely 36 students of class VIII K as an experimental class given the Brain Based Learning model treatment and 36 students of class VIII L as a control class who were given the treatment of ordinary learning models, namely expository learning models. The research instruments used are in the form of mathematical literacy tests and questionnaires on habits of mind. The collected data were analyzed using descriptive statistics and inferential statistics with the help of IBM SPSS 24.0 Software for Windows. Based on the analysis of the data from the research results, conclusions were obtained: 1) the increase in mathematical literacy ability of students who obtained the Brain Based Learning model was higher than students who obtained the ordinary learning model, 2) the achievement of habits of mind of students who obtained the Brain Based Learning model is better than students who acquire the usual learning model, and 3) there is a correlation between mathematical literacy ability and the habits of mind of students who acquire the Brain Based Learning model.

Keywords: *Mathematical Literacy Ability, Habits of Mind, Brain Based Learning Model*