

ABSTRACT

Analisis Kemampuan Koneksi Matematis Siswa Melalui Model Pembelajaran *CORE* (*Connecting, Organizing, Reflecting, Extending*) : 2023. Ahmad Faqih

Keywords: *CORE*, mathematical connections, learning models

Mathematics is one of the compulsory subjects at almost all levels of education. Starting from SD/MI, SMP/MTS, SMA/MA, even at the highest level of education, there must be something related to mathematics. Mathematical connection ability is knowing, using, and making connections between mathematical ideas and in contexts outside of mathematics to build mathematic understanding. After the researchers observed, class VIII students of MTs An-Najah Matanair were less aware of their own mathematical connection abilities. So that the mindset arises in them that mathematics is difficult.

This study aims to describe the application of the *CORE* learning model and mathematical connection skills in class VIII students at MTs An-Najah Matanair. The method used is descriptive qualitative method because the researcher wants to describe/write down the facts/circumstances of class VIII students at MTs An-Najah Matanair. The research instruments, namely primary research data, include Mathematical Ability Tests (TKM), Mathematical Comprehension Tests (TPM) and Interview Guidelines (PW).

In understanding ST, SS, and SR subjects through tests and interviews, the results showed that the three subjects were able to solve the problem solving given through the *CORE* learning model, seen from their ability to connect and understand the learning being done. As well as being able to organize previous learning towards subsequent learning so that the linkages between mathematical concepts and other mathematics are fulfilled.