ABSTRACT

Hadianingsih, A.P. (2019). **The Influence of Treffinger Model on the Improvement of Students' Problem-Solving Capability and Self-Concept**

The research was intended to: (1) determine whether improvement in the solving problem capability of the students who received a Treffinger model is higher than that of the student who received conventional learning; (2) determine whether self-concept on Treffinger learning is better than conventional learning. And (3) describe the effectiveness of Treffinger learning model in improving problem-solving capability. The method used was a quasi-experiment, with a pretest-posttest control group design. The research subject was the grade VIII students of SMP (Junior High School) Al-Falah Bandung. The research objects were mathematic problem-solving capability and self-concept. For the sample of research, 2 classes had been selected, namely, Class VIII A as the experiment class that received a Treffinger model, and Class VIII B as the control class that received a conventional learning. The research instrument used was mathematic problem-solving capability test and self-concept. The data collected were processed by using a *IBM SPSS 20.0 for windows* software. The research result revealed that: (1) Improvement in the mathematic problem-solving capability of the students who received Treffinger model was better than that of the students who received a conventional learning; (2) Self-concept on Treffinger learning was better than the conventional learning model; and (3) Treffinger model was of higher effectiveness on mathematic problem-solving capability.

Keywords: Problem-Solving Capability, Treffinger model, self-concept