**ABSTRAK**

**Sri Winggowati** (2017), **Penerapan *Model Problem Based Learning* Metode *TTW* Meningkatkan Kemampuan Komunikasi Matematis dan Mengembangkan *Self Confidence* Siswa SD.**

Penelitian ini dilatarbelakangi permasalahan banyaknya siswa SD yang kesulitan menyelesaikan soal matematika terutama yang menyangkut kemampuan komunikasi matematis dan *self confident* siswa. Tujuan penelitian ini adalah untuk menjawab pertanyaan apakah dengan pembelajaran *Model Problem Based Learning* Metode *TTW* dapat meningkatkan kemampuan komunikasi matematis dan *self confident* siswa. Metode penelitian yang digunakan yaitu, Penelitian Tindakan Kelas, yang terdiri dari 3 siklus pembelajaran, dan masing-masing siklus terdiri dari 3 tindakan. Populasi dalam penelitan ini adalah siswa kelas VI SD di Kota Bandung. Instrumen yang digunakan meliputi tes kemampuan komunikasi matematis siswa berupa soal cerita, angket self confident, pedoman observasi, wawancara dan dokumentasi. Data kuantitatif yang diperoleh dianalisis dengan menggunakan SPSS 19, sedangkan data kualitatif menggunakan teknik Miles & Huberman. Hasil penelitian menunjukkan bahwa terdapat peningkatan kemampuan komunikasi matematis siswa serta self confident siswa yang memperoleh pembelajaran *Model Problem Based Learning* Metode *TTW*. Penelitian juga menunjukkan kecenderungan tidak terdapat korelasi positif antara kemampuan komunikasi matematis dan self confident siswa. Rekomendasi dalam penelitian ini menekankan pembelajaran *Model Problem Based Learning* Metode *TTW* sebagai salah satu alternatif model pembelajaranyang mampu memberikan manfaat dan stimulasi yang baik terhadap kemampuan siswa Sekolah Dasar dalam pembelajaran matematika sesuai dengan tahapan perkembangan kognitif siswa.

Kata kunci: Kemampuan Komunikasi Matematis, Self Confident Siswa, *Model Problem Based Learning* Metode *TTW (Think-Talk-Write).*

**ABSTRACK**

**Sri Winggowati (**2017**), Application of Problem Based Learning Model TTW Method Improve Mathematical Communication Skill and Develop Self Confidence of Elementary School Students.**

This research is based on the problems of many elementary students who have difficulty in solving math problems especially those concerning mathematical communication ability and self confident students. The purpose of this study is to answer the question whether by learning Problem Based Learning Model TTW method can improve students' mathematical and self confident communication skills. The research method used is Classroom Action Research, which consists of 3 learning cycles, and each cycle consists of 3 actions. Population in this research are 6th grade student of Elementary school in Bandung. The instruments used include students' mathematical communication skills in the form of story questions, self confident questionnaires, observation guidelines, interviews and documentation. The quantitative data obtained were analyzed using SPSS 19, while the qualitative data used Miles & Huberman technique. The results showed that there is improvement of students' mathematical communication skills and self confident students who acquired learning Problem Based Learning Model of TTW Method. The research also shows that there is no positive correlation between mathematical communication ability and student self confident. The recommendation in this research emphasizes the learning of Problem Based Learning Model of TTW Method as one of alternative learning model which able to give good benefit and stimulation to the ability of elementary school students in learning mathematics in accordance with the stages of cognitive development of students.

Keywords: Mathematical Communication Skills, Self Confident Students, Problem Based Learning Model TTW Method (Think-Talk-Write).