**ABSTRAK**

***La Ode Yuslin, 2013. Peningkatan Kemampuan Komunikasi Matematika Siswa melalui Model Pembelajaran Berbasis Masalah dengan Pendekatan Problem Solving pada Kelas XI IPA6 SMAN 11 Makassar.*** Skripsi. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Negeri Makassar.

Penelitian ini adalah Penelitian Tindakan Kelas yang bertujuan untuk meningkatkan kemampuan komunikasi matematika melalui model pembelajaran berbasis masalah dengan pendekatan *problem solving*. Penelitian ini dilaksanakan di kelas XI IPA6 SMA Negeri 11 Makassar semester ganjil tahun pelajaran 2012/2013 dengan subjek penelitian sebanyak 36 siswa. Siklus I dan Siklus II masing-masing dilaksanakan 4 kali pertemuan. Pengambilan data dilakukan dengan menggunakan tes kemampuan komunikasi matematika, lembar observasi siswa dan guru, dan angket respon siswa. Selanjutnya data yang diperoleh dianalisis menggunakan analisis kualitatif dan analisis kuantitatif. Hasil penelitian menunjukkan kemampuan komunikasi matematika siswa mengalami peningkatan. Pada Siklus I jumlah siswa yang memperoleh hasil tes kemampuan komunikasi matematika $\geq 70$ adalah 12 orang (33,33%) dengan mean 61,53. Pada Siklus II banyak siswa yang memperoleh hasil tes kemampuan komunikasi matematika $\geq 70$ adalah 31 orang (86,11%) dengan mean 80,14. Selain itu, rata-rata persentase respon siswa terhadap model pembelajaran berbasis masalah dengan pendekatan problem solving mengalami peningkatan dengan rata-rata persentase pada Siklus I adalah 51,67 dan pada Siklus II adalah 79,40. Hasil observasi kemampuan komunikasi matematika menunjukkan adanya perubahan sikap siswa antara lain siswa menjadi lebih aktif dalam proses belajar, siswa lebih berani dalam mengemukakan pendapatnya, dan kemampuan melakukan manipulasi matematika. Hal ini menunjukkan bahwa kemampuan komunikasi matematika siswa mengalami peningkatan selama proses pembelajaran berlangsung setelah diterapkan model pembelajaran berbasis dengan pendekatan *problem solving*.

**Kata Kunci** : *Komunikasi Matematika, Pembelajaran Berbasis Masalah, Problem Solving.*

**ABSTRACT**

***La Ode Yuslin, 2013. Improving Students’ Mathematical Communication Ability through Problem-Based Learning Model with Problem Solving Approach on Grade XI IPA6 SMAN 11 Makassar.*** *A Thesis. Faculty of Mathematics and Science. State University of Makassar.*

This study is Classroom Action Research that aims to improve students’ mathematical communication ability through problem-based learning model with problem solving approach. This research was conducted on grade XI IPA6 SMAN 11 Makassar in odd semester academic year 2012/2013 with the total of subject was 36 students. Cycle I and cycle II were conducted for 4 meetings. The data were collected by using the test of students’ mathematical communication ability, observation sheets of students and teacher, and students’ questionnaire responses. Furthermore, the data obtained were analyzed by using qualitative and quantitative analysis. The results showed that the students’ mathematical communication ability had improved. On Cycle I there were 12 (33.33%) students who got score of mathematical communication $\geq 70$ with mean 61.53. On cycle II there were 31 (81.11%) students who got mathematical communication score $\geq 70$ with mean 80.14. In addition, students’ respond to problem based learning model with problem solving approach from Cycle I to Cycle II had improved with the mean percentage on Cycle I was 42.50 and on Cycle II was 79.40. The observations result of mathematical communication ability indicated the change of students’ attitude, among other, students become more active in learning process, students were more willing to express their opinion, and students’ ability in doing mathematical manipulation. This showed that students’ mathematical communication ability had improved during learning process after applying problem-based learning model with problem solving approach.

Keywords: *Mathematical Communication, Problem-Based Learning Model, Problem Solving*.