

ABSTRAK

Skolastika Intani Fentina. 2012. *Hubungan Antara Kemampuan Matematis-Logis dan Motivasi Belajar Matematika dengan Prestasi Belajar Matematika Siswa Kelas VII SMP Joannes Bosco Yogyakarta Tahun Pelajaran 2011/2012*. Skripsi. Yogyakarta: Program Studi Pendidikan Matematika Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma.

Tujuan peneltiaian ini untuk mengetahui (1) hubungan dan besar pengaruh antara kemampuan matematis-logis dengan prestasi belajar matematika (2) hubungan dan besar pengaruh antara motivasi belajar matematika dengan prestasi belajar matematika (3) hubungan dan besar pengaruh antara kemampuan matematis-logis dan motivasi belajar matematika dengan prestasi belajar matematika. Jenis penelitian merupakan penelitian korelasi dengan data kuantitatif.

Penelitian ini dilaksanakan di SMP Joannes Bosco Yogyakarta semester genap Tahun Ajaran 2011/2012, pada tanggal 23 Mei 2012 – 24 Mei 2012. Data berupa skor tes kemampuan matematis –logis, skor tes motivasi belajar dan skor tes prestasi matematika. Teknik pengumpulan data dengan metode angket dan metode tes prestasi yang diujicobakan dengan uji validitas dan reliabilitas. Dengan populasi siswa kelas VII sebanyak 106 siswa. Penelitian ini menggunakan jenis data interval dan pengolah data secara statistik deskriptif dengan koefisien korelasi sederhana dan koefisien korelasi ganda.

Hasil penelitian ini dapat disimpulkan bahwa (1) terdapat hubungan yang positif antara kemampuan matematis-logis dengan prestasi belajar matematika, besar pengaruh kemampuan matematis-logis adalah kecil yaitu sebesar 5,95% (2) terdapat hubungan yang positif antara motivasi belajar matematika dengan prestasi belajar matematika, besar pengaruh motivasi belajar matematika adalah kecil yaitu sebesar 4,84% (3) terdapat hubungan yang positif antara kemampuan matematis-logis dan motivasi belajar matematika secara bersama-sama dengan prestasi belajar matematika, besar pengaruh kemampuan matematis-logis dan motivasi belajar matematika adalah kecil yaitu sebesar 7,84%.

Kata kunci : kemampuan matematis-logis, motivasi, dan prestasi matematika

ABSTRACT

Skolastika, Intani Fentina. 2012. The Correlation between The Mathematical-Logical Intelligence Students and Motivation to Learn Mathematics with Students Mathematics Learning Achievement in Grade VII of Joannes Bosco Yogyakarta in Academic Year 2011/2012. Yogyakarta: Mathematics Education Study Program, Faculty of Teachers Training and Education, Sanata Dharma University.

This research aims to investigate (1) the correlation and amount of effect between mathematical-logical intelligence and Mathematics learning achievement (2) the correlation and amount of effect between students' Mathematics learning motivation and students' Mathematics learning achievement (3) the correlation and amount of effect between students' mathematical-logical intelligence and learning motivation and students' Mathematics learning achievement. This research belongs to the correlation research by using quantitative data.

The research was conducted in Joannes Bosco Junior High School Yogyakarta in Academic Year 2011/2012 on May 23rd – 24th 2012. The data was in the form of mathematical-logical intelligence test score, learning motivation test score and mathematics learning achievement test score. The data was collected by using questionnaire method and achievement test method which was tested by using a validity and reliability test. The number of Seventh grade students' population was 106 students. This research made use of statistical interval data and data processor Descriptive Statistics, by using Correlation Coefficient.

The result of this research could be concluded that (1) there was a positive correlation between mathematical-logical intelligence and Mathematics learning achievement. The amount of effect was small i.e. 5,95%. (2) there was a positive correlation between students' mathematics learning motivation and students' Mathematics learning achievement. The amount of its effect was small i.e. 4,84% (3) there was a positive correlation between students' mathematical-logical intelligence and learning motivation and students' Mathematics learning achievement. The amount of effect was small i.e. 7,84%.

Keywords : logical-mathematical ability, mathematics learning motivation and achievement.