

ABSTRAK

Ula, Laily Maghfirotul. 2019. *Kemampuan Koneksi Matematika Siswa Dalam Pemecahan Masalah Ditinjau Dari Kemampuan Matematika Dan Jenis Kelamin*. Program Studi Pendidikan Matematika. Fakultas Keguruan dan Ilmu Pendidikan. Universitas PGRI Adi Buana Surabaya. Pembimbing : Dra. Sri Rahayu, M.Pd.

Kata Kunci: Jenis kelamin, Kemampuan matematika, Koneksi matematika, Pemecahan masalah.

Tujuan dari penelitian ini adalah untuk mendeskripsikan kemampuan koneksi matematika siswa dalam pemecahan masalah dengan tinjauan perbedaan kemampuan matematika dan jenis kelamin siswa.

Penelitian ini dilakukan di kelas VII-B SMP Negeri 24 Surabaya, pada semester gasal tahun ajaran 2018/2019. Subjek penelitian terdiri dari 1 siswa laki-laki berkemampuan matematika tinggi (LKT), 1 siswa perempuan berkemampuan matematika tinggi (PKT), 1 siswa laki-laki berkemampuan matematika sedang (LKS), 1 siswa perempuan berkemampuan matematika sedang (PKS), 1 siswa laki-laki berkemampuan matematika rendah (LKR), dan 1 siswa perempuan berkemampuan matematika rendah (PKR). Dengan tingkat pemecahan masalah siswa pada setiap jenjang kelompok kemampuannya relatif sama. Instrument penelitian terdiri dari tes kemampuan matematika, tes kemampuan koneksi matematika dan pedoman wawancara.

Hasil penelitian menunjukkan bahwa, (1) LKT mampu menggunakan 4 dari 5 indikator koneksi matematika, (2) PKT mampu menggunakan 5 indikator koneksi matematika, (3) LKS mampu menggunakan 4 dari 5 indikator koneksi matematika, (4) PKS mampu menggunakan 4 dari 5 indikator koneksi matematika, (5) LKR mampu menggunakan 3 dari 5 indikator koneksi matematika, (6) PKR mampu menggunakan 3 dari 5 indikator koneksi matematika.

ABSTRACT

Ula, Laily Maghfirotul. 2019. *Mathematical Connection Ability of Students in Problem Solving Look from Mathematics Ability and Gender*. Mathematics Education of Department. Faculty of Teacher Training and Education. University of PGRI Adi Buana Surabaya. Advisors : Dra. Sri Rahayu, M.Pd.

Keywords: Gender, Mathematical ability, Mathematical connection, Problem solving.

The purpose of this study was to describe students mathematical connection skills in problem solving by reviewing differences in mathematical abilities and gender of students.

This research was conducted in VII-B class of SMP Negeri 24 Surabaya, in the odd semester of the 2018/2019 academic year. The subject of the study consisted of 1 male student with high mathematical ability (LKT), 1 female student with high mathematics ability (PKT), 1 male student with moderate mathematical ability (LKS), 1 female student with moderate mathematical ability (PKS), 1 male student with low mathematical abilities (LKR), and 1 female student with low mathematical ability (PKR). With the level of problem solving students at each level the group's abilities are relatively the same. The research instrument consisted of mathematical ability tests, mathematical connection ability tests and interview guidelines.

The results showed that, (1) LKT was able to use 4 of 5 indicators of mathematical connections, (2) PKT was able to use 5 indicators of mathematical connection, (3) LKS was able to use 4 of 5 mathematical connection indicators, (4) PKS was able to use 4 of 5 indicators of mathematical connection, (5) LKR is able to use 3 of 5 indicators of mathematical connections, (6) PKR is able to use 3 of 5 mathematical connection indicators.