

## ABSTRAK

Sari, Resti Mayang. 2021. *Analisis Kemampuan Koneksi Matematika Siswa Dalam Memecahkan Masalah Ditinjau Dari Perbedaan Jenis Kelamin*. Program Studi Pendidikan Matematika. Fakultas Sains dan Teknologi. Universitas PGRI Adi Buana Surabaya. Pembimbing : Dra. Sri Rahayu, M. Pd.

Kata Kunci : Kemampuan Koneksi Matematika, Pemecahan Masalah, Jenis Kelamin.

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

Penelitian ini dilakukan di kelas VII-B SMP PGRI 1 Buduran, pada semester gasal tahun ajaran 2020/2021. Subjek penelitian ini ada 6 yang terdiri dari 1 siswa perempuan berkemampuan tinggi (PKT), 1 siswa laki-laki berkemampuan matematika tinggi (LKT), 1 siswa perempuan berkemampuan matematika sedang (PKS), 1 siswa laki-laki berkemampuan matematika sedang (LKS), 1 siswa perempuan berkemampuan matematika rendah (PKR), dan 1 siswa laki-laki berkemampuan matematika rendah (LKR). Dengan tingkat pemecahan masalah siswa pada setiap jenjang kelompok kemampuannya berbeda. Metode pengumpulan data dalam penelitian ini adalah tes kemampuan matematika, tes kemampuan koneksi matematika dan pedoman wawancara. Hasil penelitian ini menunjukkan bahwa, siswa perempuan berkemampuan tinggi (PKT) mampu menggunakan 5 indikator koneksi matematika, siswa laki-laki berkemampuan tinggi (LKT) mampu menggunakan 4 dari 5 indikator koneksi matematika, siswa perempuan berkemampuan sedang (PKS) mampu menggunakan 4 dari 5 indikator koneksi matematika, siswa laki-laki berkemampuan sedang (LKS) mampu menggunakan 3 dari 5 indikator koneksi matematika, siswa perempuan berkemampuan rendah (PKR) mampu menggunakan 2 dari 5 indikator koneksi matematika, siswa laki-laki berkemampuan (LKR) mampu menggunakan 2 dari 5 indikator koneksi matematika.

## ABSTRACT

Sari, Resti Mayang. 2021. *Analysis of Mathematical Connection Ability of Students in Problem Solving Look from Gender*. Mathematics Education of Departement. Faculty of Science and Technology. University of PGRI Adi Buana Surabaya. Advisors : Dra. Sri Rahayu, M. Pd.  
Keyword : *Mathematical Connection Ability, Problem Solving, Gender*

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

This research was conducted in VII-B class of SMP PGRI 1 Buduran, in the odd semester of the 2020/2021 academic year. The subject of the study consisted of 1 female student with high mathematics ability (PKT), 1 male student with high mathematical ability (LKT), 1 female student with moderate mathematical ability (PKS), 1 male student with moderate mathematical ability (LKS), 1 female student with low mathematical ability (PKR), 1 male student with low mathematical ability (LKR). With the level of problem solving students at each level the group's abilities are relatively the different. Methode of collecting data in this research are mathematical ability tests, mathematical connection ability tests and interview guidelines. The results of this research showed that, female student with high mathematics ability (PKT) was able to use 5 indicators of mathematical connection, male student with high mathematical ability (LKT) was able to use 4 of 5 indicators of mathematical connection, female student with moderate mathematical ability (PKS) was able to use 4 of 5 indicators of mathematical connection, male student with moderate mathematical ability (LKS) was able to use 3 of 5 indicators of mathematical connection, female student with low mathematical ability (PKR) was able to use 2 of 5 indicators of mathematical connection, male student with low mathematical ability (LKR) was able to use 2 of 5 indicators of mathematical connection.