ABSTRAK

Lutfiah, Aizatul.2023. *Analisis Kemampuan Literasi Matematis Siswa dalam Menyelesaikan Soal Cerita Program Linear Ditinjau dari Kemampuan Matematika*. Skripsi. Program Studi Pendidikan Matematika. Fakultas Sains dan Teknologi. Universitas PGRI Adi Buana Surabaya. Pembimbing : Erna Puji Astutik, S.Si., M.Pd., M.Sc.

Kata Kunci : Literasi Matematis, Soal Cerita, Program Linear, Kemampuan Matematika.

Penelitian ini bertujuan untuk mendeskripsikan kemampuan literasi matematis siswa dalam menyelesaikan soal cerita program linear ditinjau dari kemampuan matematika. Subjek yang digunakan dalam penelitian ini terdiri dari 6 siswa yaitu 2 siswa berkemampuan matematika tinggi, 2 siswa berkemampuan matematika sedang, dan 2 siswa berkemampuan matematika rendah di kelas XI SMA Negeri 1 Kedamean Gresik. Penelitian ini merupakan penelitian deskriptif kualitatif. Teknik pengumpulan data dalam penelitian ini menggunakan metode tes dan wawancara. Analisis data yang digunakan dalam pada penelitian ini yaitu reduksi data, penyajian data, dan penarikan kesimpulan. Sedangkan untuk memeriksa keabsahan data peneliti menggunakan triangulasi waktu.

Hasil penelitian menunjukkan bahwa subjek pertama kemampuan matematika tinggi mampu memenuhi 6 level kemampuan literasi matematis. Subjek kedua kemampuan matematika tinggi mampu memenuhi level 1 sampai 5 kemampuan literasi matematis. Subjek ketiga kemampuan matematika sedang mampu memenuhi level 1 sampai 5 kemampuan literasi matematis. Subjek keempat kemampuan matematika sedang mampu memenuhi level 1 sampai 4 kemampuan literasi matematis. Sedangkan subjek kelima dan keenam kemampuan matematika rendah hanya mampu memenuhi level 1 sampai 2 kemampuan literasi matematis.

ABSTRACT

Lutfiah, Aizatul. 2023. *Analysis of Students Mathematical Literacy Ability in Solving Linear Program Word Problems in Terms of Mathematical Ability*. Thesis. Mathematics Education Study Program. Faculty of Science and Technology. Universitas PGRI Adi Buana Surabaya. Advisor : Erna Puji Astutik, S.Si., M.Pd., M.Sc.

Keywords: Mathematical Literacy, Story Problems, Linear Programming, Mathematical Ability.

This study aimed to describe students mathematical literacy abilities in solving linear program word problems in terms of mathematical ability. The subjects used in this study consisted of 6 students, namely 2 students with high mathematical abilities, 2 students with moderate mathematical abilities, and 2 students with low mathematical abilities in class XI SMA Negeri 1 Kedamean Gresik. This research was a qualitative descriptive study. Data collection techniques in this study used test and interview methods. The data analysis used in this study were data reduction, data presentation, and drawing conclusions. Meanwhile, to check the validity of the data, researchers used time triangulation.

The results showed that the first subject with high mathematical ability was able to fulfill 6 levels of mathematical literacy ability. The second subject with high mathematical ability was able to fulfill levels 1 to 5 of mathematical literacy ability. The third subject of moderate mathematical ability was able to fulfill levels 1 to 5 of mathematical literacy ability. The fourth subject of moderate mathematical ability was able to fulfill levels 1 to 4 of mathematical literacy ability. Meanwhile, the fifth and sixth subjects with low mathematical ability were only able to fulfill levels 1 to 2 of mathematical literacy ability.