# ABSTRAK

Untuk meningkatkan numerasi dapat dilakukan dengan salah satu cara yaitu menerapkan model pembelajaran yang mendukung kemampuan yang ada dalam numerasi tersebut. Seperti menerapkan model pembelajaran *Self Directed Learning* yang mendukung numerasi pada kemampuan pengaturan diri dan motivasi diri. Tujuan dari penelitian ini adalah mengetahui pengaruh dan respons siswa terhadap model pembelajaran *Self Directed Learning*. Penelitian ini dilakukan di SMP Budi Utomo Sidoarjo kelas VII-B dengan jumlah siswa 28 orang. Penelitian ini membuktikan adanya pengaruh model pembelajaran *Self Directed Learning* pada materi bilangan bulat. Hasil penelitian ini menunjukkan bahwa: (1) Berdasarkan nilai $t_{hitung}(4{,}494) > t_{tabel}(2{,}0555)$ sehingga numerasi siswa dipengaruhi secara signifikan. (2) r *Square* $(r^2) = 0{,}437$ dapat disimpulkan model pembelajaran *Self directed Learning* memberikan kontribusi sebesar 43,7% terhadap numerasi siswa. Hasil Respons siswa mendapatkan rata-rata berada pada kategori sangat baik sehingga disimpulkan respons siswa dikatakan positif dalam model pembelajaran *Self Directed Learning*.

*ABSTRACT*

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Key Words: *Self Directed Learning*, numeracy, Integers

One way to improve numeracy could be through implementing a learning model that supports existing numeracy skills. Such as the implementation of the Self Directed Learning model, which supports numeracy in self-regulation and self-motivation capabilities. The purpose of this research is to determine the influence and response of students to the Self Directed Learning model. This research was carried out in class VII-B of Budi Utomo Sidoarjo with a total of 28 students. This research proves the influence of the Self Directed Learning model on Integers. The results of this research show that: (1) Based on the value of $t_{hitung}(4,494) > t_{tabel}(2,0555)$ students' numeracy is significantly influenced. (2) r Square $(r^2) = 0,437$ can be concluded that the Self Directed Learning model contributes 43.7% to student numeracy. The results of student responses on average were in the very good category so it was concluded that student responses were said to be positive in the Self Directed Learning learning model.

**Keywords:** *Self Directed Learning*, numeracy, Integers.