ABSTRAK

MEIDY ADELINA LUMBAN TORUAN. NIM 4163312017 (2023). Analisis Pengaruh Model Pembelajaran Blended Learning Terhadap Kemampuan Matematis Siswa dan Kemandirian Belajar Siswa.

Penelitian ini bertujuan untuk mengetahui: (1) pengaruh model blended learning terhadap kemampuan pemecahan masalah matematis dan kemandirian Belajar Siswa, (2) peningkatan kemampuan pemecahan masalah matematis dan kemadiriab belajar siswa (3) kelebihan dan kekurangan dari model pembelajaran blended learning. Jenis penelitian ini adalah penelitian kualitatif deskriptif dengan menggunakan metode penelitian kepustakaan. Data dalam penelitian ini diperoleh dari kumpulan literatur seperti skripsi dan jurnal yang relevan dengan topik pembahasan yaitu Kemampuan Pemecahan Masalah Matematika dan Kemandirian Belajar Siswa. Hasil penelitian menunjukkan bahwa, 1) Model Blended Learning mempunyai pengaruh yang besar terhadap kemampuan pemecahan masalah siswa berdasarkan perhitungan effect size secara keseluruhan menghasilkan rata-rata effect size sebesar 1,56 dimana angka tersebut termasuk dalam kategori tinggi dan Model Blended Learning mempunyai pengaruh yang besar terhadap kemampuan pemecahan masalah siswa berdasarkan perhitungan effect size secara keseluruhan yang menghasilkan rata-rata effect size sebesar 1,56 dimana angka tersebut termasuk dalam kategori tinggi dan Model Blended Learning memiliki pengaruh yang besar terhadap kemandirian belajar siswa berdasarkan perhitungan effect size secara keseluruhan menghasilkan rata-rata effect size sebesar 1,73 2) Terdapat peningkatan kemampuan pemecahan masalah matematis dan self-regulated learning siswa yang diajarkan melalui model blended learning. Hal ini terlihat dari peningkatan nilai N-Gain dan indikator pada kelas eksperimen secara umum lebih baik dibandingkan kelas kontrol. 3) Berdasarkan analisis terdapat kelebihan dan kekurangan blended learning. diperoleh keunggulan model blended learning sebagai berikut: (a) Pembelajaran lebih efektif dan efisien, (b) Meningkatkan aksesibilitas. dengan blended learning peserta pembelajaran lebih mudah dalam mengakses materi pembelajaran. dan kelemahan blended learning adalah belum meratanya fasilitas yang dimiliki siswa, seperti komputer dan akses internet. Meskipun blended learning memerlukan akses internet yang memadai, namun jika jaringan tidak memadai akan menyulitkan siswa untuk mengikuti pembelajaran mandiri melalui daring.

Keywords: *Blended Learning*, Kemampuan Belajar Siswa, Kemandirian Belajar Siswa.

ABSTRACT

MEIDY ADELINA LUMBAN TORUAN. NIM 4163312017 (2023). Analysis of The Effect of Blended Learning Models Towards Mathematical Student's Problem Solving Abilities and Self-Regulated Learning.

This study aims to determine: (1) the effect of blended learning models towards Mathematical Student's Problem Solving Abilities and Self-Regulated, (2) the improvement of student's mathematical problem solving and self regulated learning (3) the advantages of the advantages and disadvantages of blended learning model. This type of research includes descriptive qualitative research using library research methods. The data in this study were obtained from a collection of literature such as theses and journals that are relevant to the topic of discussion, namely Mathematical Student's Problem Solving Abilities And Self-Regulated. The results show that, 1) Blended Learning Model has a great effect on students' problem solving abilities based on the overall effect size calculation which produces an average effect size of 1.56 where this number is included in the high category and Blended Learning Model has a great effect on student's self-regulated based on the overall effect size calculation which produces an average effect size of 1.73 2) There is an increase in mathematical the student's problem solving abilities and self-regulated learning that are taught through blended learning models. This can be seen from the achievement of N-Gain value and indicators in the experimental class in the literature which is generally better than the control class. 3) Based on the analysis, it was found that the advantages and disadvantages of blended learning. it can be obtained that the advantages of blended learning models as follows: (a) Learning is more effective and efficient, (b) Improve accessibility. with blended learning, it is easier for learning participants to access material learning. and disadvantages of blended learning is Not evenly distributed facilities owned by students, such as computers and internet access. Even though blended learning requires adequate internet access, if the network is inadequate it will make it difficult for participants to take part in independent learning via online.

Keywords: *Blended Learning*, Problem-Solving Abilities, Self-Regulated Learning