ABSTRAK

Utami Alam Daulay, NIM. 8136174031. Pengaruh *Blended learning* Berbasis Edmodo dan Motivasi Belajar Terhadap Hasil Belajar IPA Biologi dan Retensi Siswa pada Sistem Peredaran Darah Manusia di Kelas VIII SMP N 5 Medan. Tesis. Program Pascasarjana Universitas Negeri Medan (UNIMED). Medan. 2016.

Penelitan ini bertujuan untuk mengetahui: (1) pengaruh *blended learning* berbasis *edmodo* terhadap hasil belajar; (2) pengaruh *blended learning* berbasis *edmodo* terhadap retensi belajar; (3) pengaruh motivasi belajar terhadap hasil belajar; (4) pengaruh motivasi belajar terhadap retensi belajar; (5) interaksi antara *blended learning* berbasis *edmodo* dan motivasi terhadap hasil belajar; dan (6) interaksi antara *blended learning* berbasis *edmodo* dan motivasi terhadap retensi belajar siswa kelas VIII SMP Negeri 5 Medan. Sampel penelitian ini diambil dengan teknik *cluster random sampling* (sampel acak berkelompok) yaitu 2 kelas yang berjumlah 68 siswa pada siswa kelas VIII SMP Negeri 5 Medan. Instrumen penelitian berupa tes hasil belajar IPA biologi siswa, angket motivasi, dan angket retensi belajar siswa. Metode penelitian ini bersifat kuasi eksperimen *(quasi eksperimental method)* dengan teknik analisis hipotesis ANAVA dua jalur pada taraf signifikansi $\alpha = 0,05$. Hasil penelitian ini diperoleh bahwa: (1) terdapat pengaruh *blended learning* berbasis *edmodo* terhadap hasil belajar (Fhitung = 86,668; P. = 0,000); (2) terdapat pengaruh *blended learning* berbasis *edmodo* terhadap retensi belajar (Fhitung = 35,476; P. = 0,000); (3) terdapat pengaruh motivasi belajar terhadap hasil belajar (Fhitung = 37,597; P. = 0,000); (4) terdapat pengaruh motivasi belajar terhadap retensi belajar (Fhitung = 13,004; P. = 0,000); (5) terdapat interaksi antara *blended learning* berbasis *edmodo* dan motivasi terhadap hasil belajar (Fhitung = 4,942; P. = 0,003); dan (6) terdapat interaksi antara *blended learning* berbasis *edmodo* dan motivasi terhadap retensi belajar siswa kelas VIII SMP Negeri 5 Medan (Fhitung = 2,946; P. = 0,031). Hasil penelitan ini menunjukkan bahwa penggunaan model pembelajaran *blended learning* berbasis *edmodo* yang merupakan sumber belajar online mendorong siswa untuk belajar lebih aktif, dan meningkatkan daya tarik pembelajaran pada motivasi belajar siswa dan memberikan dampak yang baik terhadap retensi belajar dan peningkatan hasil belajar siswa menjadi lebih baik.

Kata Kunci: Model Pembelajaran Blended Learning, Edmodo, Motivasi Belajar, Retensi, Hasil Belajar

ABSTRACT

Utami Alam Daulay, NIM. 8136174031. Influence of Blended Learning based Edmodo and Motivation on Students' Science Learning Outcomes and Retention on The Human Circulatory System in Grade VIII at SMP N 5 Medan. Thesis. Postgraduate Program. State University of Medan, June 2016.

The research was aim to know: (1) influence of blended learning based edmodo on learning outcome; (2) influence of blended learning based edmodo on retention; (3) influence of motivation on learning outcome; (4) influence of motivation on retention; (5) interaction between blended learning based edmodo and motivation on learning outcome; (6) interaction of blended learning based edmodo and motivation on retention in grade VIII at SMP N 5 Medan. The research was quasy experiment. Samples were two classes that totally 68 students' by cluster random sampling. Instruments for data collection were taken by using learning outcome and retention in multiple choice test and questionnaire. The analyze data technique were using ANAVA two ways with significance 0.05. the result revealed that: (1) there was influence of blended learning based edmodo on learning outcome ($F = 86.668$; $P = 0.000$); (2) there was influence of blended learning based edmodo on retention ($F = 35.476$; $P = 0.000$); (3) there was influence motivation on learning outcome ($F = 37.597$; $P = 0.000$); (4) there was motivation on retention ($F = 13.004$; $P = 0.000$); (5) there was interaction of blended learning based edmodo and motivation on learning outcome ($F = 4.942$; $P = 0.003$) and (6) there was interaction of blended learning based edmodo and motivation on retention in grade VIII in SMP N 5 Medan ($F = 2.946$; $P = 0.031$). the research result revealed using learning model blended learning based edmodo as online learning source to support students more active and to increase learning interest on motivation and give effect to retention and increase of learning outcome.

Keywords : *Model of Blended Learning, Edmodo, Motivation, Retention, and Learning Outcome*