

ABSTRAK**PENERAPAN MODEL *BLENDED LEARNING* BERBASIS *WHATSAPP*
UNTUK MENINGKATKAN KEMANDIRIAN BELAJAR, BERPIKIR
KRITIS, DAN HASIL BELAJAR SISWA KELAS X MIPA
SMAK KESUMA MATARAM TAHUN PELAJARAN 2018/2019
PADA MATERI USAHA DAN ENERGI**

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Penelitian ini bertujuan untuk mengetahui (1) peningkatan kemandirian belajar (2) peningkatan berpikir kritis (3) peningkatan hasil belajar (4) perbedaan kemandirian belajar, kemampuan berpikir kritis, dan hasil belajar siswa antara kelas *Blended Learning* dan kelas *Konvensional*.

Penelitian ini merupakan jenis penelitian deskriptif kuantitatif dan deskriptif kualitatif. Subjek penelitian ini adalah siswa kelas X MIPA 2 dan 3 SMAK KESUMA Mataram yang berjumlah 57 siswa. Kelas X MIPA 2 (N=28) mendapat treatment belajar menggunakan model *Blended Learning* berbantuan *WhatsApp* dan kelas X MIPA 3 (N=29) mendapat treatment belajar dengan pembelajaran konvensional (ceramah aktif). Instrumen yang digunakan untuk pengambilan data ialah instrumen tes, angket, wawancara, dan observasi. Untuk instrumen tes dan angket dianalisis secara statistik menggunakan program SPSS dan instrumen wawancara dan data observasi dianalisis secara deskriptif kualitatif.

Hasil penelitian ini menunjukkan bahwa (1) kemandirian belajar siswa dengan model *Blended Learning* berbantuan *WhatsApp* mencapai presentase 53,57% dan peningkatan rata – rata dari 38,25 menjadi 44,07; (2) kemampuan berpikir kritis siswa dengan model *Blended Learning* berbantuan *WhatsApp* mengalami peningkatan dari rata – rata 13,72 menjadi 81,00 dan masuk dalam klasifikasi kemampuan berpikir kritis peserta didik sangat tinggi; (3) hasil belajar siswa dengan model *Blended Learning* berbantuan *WhatsApp* mengalami peningkatan dari rata – rata 8,57 menjadi 81,46 dan masuk dalam klasifikasi hasil belajar peserta didik sangat tinggi; (4) terdapat perbedaan hasil belajar, kemandirian belajar, dan kemampuan berpikir kritis antara siswa kelas X MIPA 2 dan X MIPA 3.

Kata kunci: *Blended Learning*, *WhatsApp*, kemandirian belajar, berpikir kritis dan hasil belajar

ABSTRACT

APPLICATION OF WHATSAPP-BASED BLENDED LEARNING MODEL TO IMPROVE LEARNING INDEPENDENCE, CRITICAL THINKING, AND LEARNING OUTCOMES OF CLASS X SCIENCE SMAK KESUMA MATARAM 2018/2019 ACADEMIC YEAR IN WORK AND ENERGY

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This study aims to know the improvement of (1) learning independence, (2) critical thinking skills, (3) learning outcomes (4) differences in learning outcomes, learning independence, and critical thinking skills between Blended Learning and Conventional classes.

This research is a kind of quantitative descriptive and qualitative descriptive research. The subjects of this research were 57 students of class X MIPA 2 and 3 of SMAK KESUMA Mataram in the 2018/2019 academic year. This research uses two classes of treatments. Class X MIPA 2 (N = 28) received learning treatments using WhatsApp-based Blended Learning model and MIPA class X 3 (N = 29) received learning treatments with conventional learning (active lectures). The instruments used for data collection are test instruments, questionnaires, interviews, and observations. For test and questionnaire instruments analyzed statistically using the SPSS program and interview instruments and observation data were analyzed descriptively qualitatively.

The results of this study indicate that (1) student learning outcomes with WhatsApp-based Blended Learning models have increased from an average of 8.57 to 81.46 and included in the classification of learning outcomes of students is very high; (2) the learning independence of students with the WhatsApp assisted Blended Learning model reaches a percentage of 53.57% and an average increase from 38, 25 to 44.07 and included an independent classification; (3) students 'critical thinking ability with WhatsApp-based Blended Learning model has increased from an average of 13.72 to 81.00 and is included in the classification of students' critical thinking skills; (4) there are differences in learning outcomes, learning independence, and critical thinking skills between students of class X MIPA 2 and X MIPA 3.

Keywords: Blended Learning, WhatsApp, learning independence, critical thinking and learning outcomes

