

ABSTRACT

E-LEARNING-BASED MATHEMATICS TEACHING MATERIAL DEVELOPMENT TO IMPROVE STUDENT COMPREHENSION MATHEMATICAL CONCEPT SMP MA'ARIF 01 SEPUTIH RAMAN

By

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This research aimed at (1) result of teaching Mathematics materials e-learning based circles subject matter to improve student comprehension Mathematical concept, (2) mastery learning students after using e-learning based Mathematics teaching material, (3) students responses after using e-learning based Mathematics teaching material. Research and development were occupied in this research. Mainwhile, data of student's comprehension Mathematical concept improvement were gained through test result of pretest and posttest. The research results showed that (1) development of teaching Mathematics materials e-learning based circles subject matter was applied online by using wordpress with address <https://mathlearningsite.wordpress.com>, (2) usage teaching Mathematics materials e-learning based circles subject matter that can improve student comprehension Mathematical concepts, (3) Mathematics materials e-learning based get a great response from students.

Keywords: *Teaching material, e-learning, comprehension Mathematical concept*

ABSTRAK

PENGEMBANGAN BAHAN AJAR MATEMATIKA BERBASIS *E-LEARNING* UNTUK MENINGKATKAN PEMAHAMAN KONSEP MATEMATIKA SISWA SMP MA'ARIF 01 SEPUTIH RAMAN

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Penelitian ini bertujuan untuk (1) menghasilkan produk berupa bahan ajar Matematika berbasis *e-learning* materi pokok lingkaran untuk meningkatkan pemahaman konsep matematika siswa, (2) mengetahui ketuntasan belajar siswa setelah menggunakan bahan ajar Matematika berbasis *e-learning*, (3) mengetahui tanggapan siswa setelah menggunakan bahan ajar Matematika berbasis *e-learning*. Metode penelitian yang digunakan adalah *Research and Development*. Subjek penelitian terbagi atas pengembangan bahan ajar Matematika berbasis *e-learning*, ketuntasan belajar siswa dan tanggapan siswa. Data peningkatan pemahaman konsep matematika siswa diperoleh dengan membandingkan hasil pre tes dan pos tes. Hasil penelitian menunjukkan (1) bahan ajar Matematika berbasis *e-learning* materi lingkaran diaplikasikan secara *online* menggunakan wordpress dengan alamat <https://mathlearningsite.wordpress.com/>, (2) penggunaan bahan ajar Matematika berbasis *e-learning* materi lingkaran kelas VIII SMP dapat meningkatkan pemahaman konsep Matematika siswa, (3) bahan ajar berbasis *e-learning* yang dikembangkan mendapatkan tanggapan yang sangat baik dari siswa.

Kata Kunci: Bahan ajar, e-learning, pemahaman konsep Matematika