**PENGEMBANGAN BAHAN AJAR MATERI INTEGRAL BEBASIS *M-LEARNING DENGAN MODEL CORE*  BERORIENTASI PADA KEMAMPUAN KONEKSIMATEMATIS DAN *SELF-EFFICACY* SISWA SMA**

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**ABSTRAK**

Penelitian pengembangan bahan ajar ini bertujuan untuk: (1) Mengembangkan bahan ajar materi Integral Berbasis *Mobile Learning* dengan model pembelajaran *CORE* yang layak digunakan untuk pembelajaran; (2) Menganalisis Kemampuan Koneksi Matematis siswa yang memperoleh pembelajaran menggunakan Bahan Ajar Integral Berbasis *Mobile Learning* dengan Model *CORE;*  (3) Menganalisis *Self-efficacy* siswa yang memperoleh pembelajaran menggunakan Bahan Ajar Integral Berbasis *Mobile Learning* dengan Model *CORE;*  (4) Menganalisis adanya hubungan antara kemampuan Koneksi Matematis dan *Self-efficacy*. Metode yang digunakan adalah *Reaserch & Development* dengan menggunakan model pengembangan ADDIE. Penelitian ini dilakukan pada 30 siswa kelas XI MIPA 2 di SMAN 2 Malingping. Intrumen dalam penelitian ini menggunakan wawancara, angket ahli materi, angket ahli media, angket respon siswa, tes kemampuan Koneksi Matematis, dan angket *Self-efficacy* siswa*.* Hasil penelitian menunjukan bahwa: (1) Bahan ajar pada materi Integral termasuk kategori sangat layak dari ahli materi, sangat layak dari ahli media, dan sangat kuat untuk hasil analisis respon siswa; (2) Kemampuan Koneksi Matematis termasuk dalam kategori sedang setelah menggunakan bahan ajar yang dikembangkan; (3) *Self-efficacy* siswa termasuk dalam kategori baik setelah menggunakan bahan ajar yang dikembangkan; (4) Terdapat hubungan antara kemampuan Koneksi Matematis dan *Self-efficacy* siswa.

**Kata kunci:** Bahan Ajar, *CORE,* kemampuan Koneksi Matematis, *Self-efficacy*.

***DEVELOPMENT OF FREE INTEGRAL MATERIALISM-LEARNING WITH CORE MODELS ORIENTED IN CONNECTION ABILITY MATHEMATICS AND SELF-EFFICACY HIGH SCHOOL STUDENT***

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**ABSTRACT**

*This teaching material development research aims to: (1) Develop Integral-Based teaching materialsMobile Learning with learning modelsCORE  that is suitable for use in learning; (2) Analyzing the Mathematical Connection Ability of students who obtain learning using Integral-Based Teaching Materials Mobile Learning with Models CORE;  (3) Analyze Self-efficacy students who get learning using Integral-Based Teaching MaterialsMobile Learning with Models CORE;  (4) Analyze the relationship between Mathematical Connection ability and Self-efficacy. The method used Research & Development by using the ADDIE development model. This research was conducted on 30 students of class XI MIPA 2 at SMAN 2 Malingping. The instruments in this study used interviews, material expert questionnaires, media expert questionnaires, student response questionnaires, Mathematical Connection ability tests, and questionnaires. Self-efficacy student. The results of the study show that: (1) The teaching materials for Integral material are in the category of very feasible from material experts, very feasible from media experts, and very strong for the results of student response analysis; (2) Mathematical Connection Ability is included in the medium category after using the developed teaching materials; (3) Self-efficacy students fall into the good category after using the developed teaching materials; (4) There is a relationship between Mathematical Connection ability and Self-efficacy student.*

***Keywords****: Teaching Materials*, *CORE,* ability Mathematical Connection, *Self-efficacy*.