ABSTRAK

ANALISIS KETERLAKSANAAN PENDEKATAN STEM (*SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS*) BERBASIS *DEEP LEARNING* PADA MATA PELAJARAN IPA KELAS VII DI SMP NEGERI 14 BANDAR LAMPUNG

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Penelitian ini bertujuan untuk menganalisis keterlaksanaan pendekatan STEM (*Science, Technology, Engineering, Mathematics*) berbasis *deep learning* pada mata pelajaran IPA kelas VII di SMP Negeri 14 Bandar Lampung. Penelitian ini menggunakan desain penelitian deskriptif analisis dengan pendekatan kualitatif. Subjek penelitian terdiri atas satu guru IPA kelas VII yang dipilih menggunakan teknik *purposive sampling*. Teknik pengumpulan data dilakukan melalui angket, lembar observasi, wawancara terbuka, dan dokumentasi. Analisis data dilakukan secara deskriptif kualitatif dengan menyajikan data hasil pengamatan di lapangan yang didukung oleh persentase dan diinterpretasikan berdasarkan kategori keterlaksanaan pembelajaran. Hasil penelitian menunjukkan bahwa angket penilaian guru terhadap perencanaan pembelajaran memperoleh persentase sebesar 77,33% (baik) dan angket penilaian guru terhadap keterlaksanaan pembelajaran sebesar 80% (baik). Hasil observasi perencanaan pembelajaran berdasarkan analisis RPP pada materi "Merancang Metode Ilmiah" memperoleh persentase sebesar 93,3% (sangat baik) dan pada materi "Ekosistem" sebesar 86,6% (sangat baik). Sementara itu, hasil observasi keterlaksanaan pembelajaran yang dilakukan secara langsung pada kedua materi masing-masing memperoleh persentase sebesar 86,6% (sangat baik). Berdasarkan hasil penelitian tersebut, dapat disimpulkan bahwa pendekatan STEM berbasis *deep learning* telah terlaksana dengan sangat baik pada mata pelajaran IPA kelas VII di SMP Negeri 14 Bandar Lampung.

Kata Kunci: STEM, *Deep Learning*, Keterlaksanaan Pembelajaran, IPA

ABSTRACT

ANALYSIS OF THE IMPLEMENTATION OF STEM (SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS) APPROACH BASED ON DEEP LEARNING IN SCIENCE SUBJECT FOR GRADE VII AT SMP NEGERI 14 BANDAR LAMPUNG

By

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This study aimed to analyze the implementation of the STEM (Science, Technology, Engineering, and Mathematics) approach based on deep learning in seventh-grade science learning at SMP Negeri 14 Bandar Lampung. This study employed a descriptive analytical research design with a qualitative approach. The research subject consisted of one seventh-grade science teacher selected using a purposive sampling technique. Data collection techniques included questionnaires, observation sheets, open interviews, and documentation. Data were analyzed descriptively and qualitatively by presenting field observation data supported by percentages and interpreted based on learning implementation categories. The results showed that the teacher self-assessment questionnaire on lesson planning obtained a percentage of 77.33% (good), while the teacher self-assessment questionnaire on learning implementation obtained 80% (good). The results of the observation of lesson planning based on lesson plan analysis on the topic "Designing Scientific Methods" obtained a percentage of 93.3% (very good), while the topic "Ecosystems" obtained 86.6% (very good). Meanwhile, the results of direct classroom observations on the implementation of learning in both topics each obtained a percentage of 86.6% (very good). Based on these findings, it can be concluded that the deep learning-based STEM approach has been implemented very well in seventh-grade science learning at SMP Negeri 14 Bandar Lampung.

Keywords*: STEM, Deep Learning, Learning Implementation, Science*