

ABSTRAK

ANALISIS SUMBER BELAJAR IPA BERMUATAN STEM (*SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS*) BERBASIS KEARIFAN LOKAL DI KECAMATAN KOTAAGUNG PADA MATERI SISTEM GERAK

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Tujuan penelitian ini adalah untuk menganalisis apa saja kearifan lokal masyarakat di Kecamatan Kotaagung yang sesuai dengan Kompetensi Dasar IPA SMP pada kurikulum tahun 2013 dan kelayakan kearifan lokal masyarakat di Kecamatan Kotaagung sebagai sumber belajar IPA bermuatan STEM (*Science, Technology, Engineering and Mathematics*) pada materi sistem gerak. Subjek dalam penelitian ini yaitu, pendidik IPA, tokoh adat, serta masyarakat setempat. Desain penelitian yang digunakan berupa deskriptif kualitatif dan kuantitatif dengan teknik pengumpulan data berupa studi kepustakaan dan studi lapangan (wawancara, angket, dan dokumentasi). Data dalam penelitian berupa data kualitatif yaitu hasil wawancara dan identifikasi kearifan lokal di Kecamatan Kotaagung yang sesuai dengan kompetensi dasar IPA SMP serta dapat digunakan sebagai sumber belajar IPA bermuatan STEM. Data kuantitatif berupa data hasil perhitungan angket kesesuaian kearifan lokal dengan kompetensi dasar IPA SMP dan angket kelayakan kearifan lokal sebagai sumber belajar IPA bermuatan STEM pada materi sistem gerak. Hasil dari penelitian ini menunjukkan bahwa (1) terdapat kearifan lokal masyarakat di Kecamatan Kotaagung, yakni tari *pikhing khua belas* sesuai dengan kompetensi dasar 3.1/4.1 kelas VIII. (2) kearifan lokal tari *pikhing khua belas* layak digunakan sebagai sumber belajar IPA bermuatan STEM pada materi sistem gerak.

Kata kunci: sumber belajar, kearifan lokal, STEM, sistem gerak.

ABSTRACT

ANALYSIS OF SCIENCE LEARNING RESOURCES WITH STEM (SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS) CONTENT BASED ON LOCAL WISDOM IN KOTAAGUNG SUBDISTRICT ON MOTION SYSTEM MATERIALS

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The purpose of this research was to analyze the local wisdom of the people in Kotaagung Subdistrict which was in accordance with the basic Science Competencies of SMP in the 2013 curriculum and the feasibility of the local wisdom of the people in Kotaagung Subdistrict as a source of STEM (*Science, Technology, Engineering and Mathematics*) on the motion system material. The subjects in this research were science educators, traditional leaders, and the local community. The research design used was descriptive qualitative and quantitative with data collection techniques in the form of library research and field studies (interviews, questionnaires, and documentation). The data in the study are qualitative data, namely the results of interviews and identification of local wisdom in Kotaagung Subdistrict which are in accordance with the basic competencies of science in Junior High Schools and can be used as a source of science learning with STEM content. Quantitative data in the form of data from the calculation of the suitability of local wisdom questionnaires with the basic competencies of Junior High School science and a questionnaire on the feasibility of local wisdom as a science learning resource containing STEM on motion system material. The results of this research indicate that (1) there is local wisdom of the community in Kotaagung Subdistrict, namely the *pikhing khua belas* dance according to the basic competence of 3.1/4.1 class VIII. (2) the local wisdom of the *pikhing khua belas* dance is appropriate to be used as a science learning resource containing STEM on motion system material.

Keywords: learning resources, local wisdom, STEM, motion system.