

Dahlia Priandini. 2022. Pengembangan Perangkat Pembelajaran Model *Local Wisdom Integrated Science* (LWIS) Berbasis *Citizen science* Pada Materi Pencemaran Lingkungan. Skripsi, Program Studi Pendidikan Ilmu Pengetahuan Alam, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura.
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ABSTRAK

Tujuan penelitian pengembangan perangkat pembelajaran *model Local Wisdom Integrated Science* (LWIS) berbasis *citizen science* untuk mengetahui kelayakan perangkat pembelajaran menggunakan model *Local Wisdom Integrated Science* (LWIS) berbasis *citizen science*. Pengembangan perangkat pembelajaran model *local wisdom integrated science* (LWIS) berbasis *citizen science* menggunakan model 4-D yang terdiri dari 4 tahap yaitu *define* (pendefinisian), *design* (perancangan), *development* (pengembangan), dan *disseminate* (penyebarluasan). Pengembangan perangkat pembelajaran ini melibatkan dosen program studi Pendidikan IPA Universitas Trunojoyo Madura dan guru IPA SMPN 1 Baron. Subjek uji coba pengembangan perangkat pembelajaran ini adalah validasi dari perangkat pembelajaran. Pengujian validitas pada penelitian ini menggunakan uji statistik *Aiken's*. Uji reliabilitas pada penelitian ini menggunakan dua rater sebagai penilai. Sehingga dalam penelitian ini dilakukan perhitungan *percentage agreement* (presentase kecocokan). Hasil dari uji kelayakan pengembangan perangkat pembelajaran *Local Wisdom Integrated Science* (LWIS) berbasis *citizen science* keempat validator memperoleh hasil sebesar 0,90 dan 84,18% masuk dalam kategori sangat valid dan reliabel. Berdasarkan hal tersebut perangkat pembelajaran model *Local Wisdom Integrated Science* (LWIS) berbasis *citizen science* pada materi pencemaran lingkungan layak untuk digunakan.

Kata Kunci : Perangkat pembelajaran, Model *Local Wisdom Integrated Science* (LWIS) , *Citizen science*, Pencemaran lingkungan

Dahlia Priandini. 2022. Development of Citizen Science-Based Local Wisdom Integrated Science (LWIS) Learning Devices on Environmental Pollution Materials. Thesis, Natural Science Education Study Program, Faculty of Education, Trunojoyo University Madura.
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ABSTRACT

This research about the development of a citizen science-based learning media with Local Wisdom Integrated Science (LWIS) model aims to find the eligibility of a citizen science-based learning media with Local Wisdom Integrated Science (LWIS) model. The model used for the development of a citizen science-based learning media with Local Wisdom Integrated Science (LWIS) model is 4D model that consists of 4 steps, those are define, design, development, and disseminate. The development of this learning media involved the participation of the lecturers in Science Education Study Program at Universitas Trunojoyo Madura and the science teachers at SMPN 1 Baron. The subject of the development of this learning media is the validation of the learning media. The test validity used in this research is test statistics Aiken's. The test reliability used in this research is two raters as the evaluator. So, the percentage agreement calculation was conducted for this research. The result of the eligibility test of the development of a citizen science-based learning media with Local Wisdom Integrated Science (LWIS) model shows that the results of four validators are 0,90 and 84,18% which are categorized as highly valid and reliable. Based on this, it can be concluded that the citizen science-based learning media with Local Wisdom Integrated Science (LWIS) model on the subject of environmental pollution is eligible to use.

Keywords: *Learning media, Local Wisdom Integrated Science (LWIS) Model, Citizen science, Environmental pollution*