

Integrated Science Model with Local Potential in Science Learning to Realize a Generation with Character in the Era of Society 5.0

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ABSTRACT

Society 5.0 is the use of modern technology that relies on humans as its main component. In this era, the digitalization of student culture has shifted, therefore education plays a role in strengthening culture, especially local wisdom for students. Science learning that integrates local wisdom will make learning more meaningful. The objectives of this study were 1) to produce a valid learning tool for an integrated science model with the local potential to realize skill society 5.0, 2) to know the practicality of an integrated science model with the local potential to realize skill society 5.0.

This research and development use the development steps proposed by Borg & Gall which consists of ten stages, which are divided into two stages (research year). The purpose of this research is to produce a needs analysis of local potential mapping in science learning and strategies used in learning with local potential as well as learning outputs that appear and produce valid products (stage I) and obtain the results of product trials of learning devices with local potential based on feasible needs analysis (stage II). This research was conducted for stage I first. The products produced are lesson plans and teaching materials that train the science literacy needed in the era of society 5.0. The products developed were validated to determine their feasibility by two expert lecturers. The results of validation from experts obtained valid results to realize scientific literacy with very good product categories for lesson plans and teaching modules.

Kata Kunci: local potencial, skill society 5.0, integrated science