

IMPLEMENTASI MODEL TESI (TECHNOLOGY EMBEDDED SCIENTIFIC INQUIRY) BERBASIS SSI (SOCIO SCIENTIFIC ISSUE) TERHADAP KEMAMPUAN LITERASI KIMIA LINGKUNGAN MAHASISWA CALON GURU KIMIA

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ABSTRACT

To solve various problems in an environment with a chemical context, the orientation of ICT-based chemistry learning must be directed at in-depth learning (deep learning), not just providing knowledge about reading, writing and mathematics, one of which is through the application of the socio-scientific Issues (SSI) based Technology-embedded Scientific Inquiry (TESI) model. The aim of this research is to find out whether there is a difference between students' environmental chemistry literacy abilities before and after implementing the SSI-based TESI model. This research is a pre-experimental research with one group pre test-post test design. Before being given treatment, students were given a pretest regarding environmental chemistry literacy, with the aim of finding out the condition of the group before treatment. Then after being given treatment, students were given a posttest, to find out the condition of the group after treatment. Data analysis was carried out statistically. Based on the research results, it can be concluded that there is a difference between students' environmental chemistry literacy abilities before and after implementing the SSI-based TESI model.

Kata Kunci: *socio-scientific issue, technology-embedded Scientific Inquiry*