

[DOI: 10.20472/IAC.2015.019.025](https://doi.org/10.20472/IAC.2015.019.025)

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E-ASSESSMENT FOR LEARNING: AN ONLINE ASSESSMENT FOR SCIENCE LITERACY (OASL)

Abstract:

In accordance with the modern educational reform, the implementation of educational assessment differs from the past and requires innovative techniques. At individual and teaching levels, an effective assessment should meet both the summative purpose of precise assessment of students' ability and the formative purpose of immediate feedbacks to improve learning and teaching. Through combining the multimedia presentation with interactive interface of information technology, an online assessment platform OASL (<https://oasl.herokuapp.com>) has been established to help the authentic and effective assessment. The platform consists of item bank database, an interface to establish items, a test management interface, a testing interface to deliver examinees' responses, a scaling system, and a system to generate the reports at individual, class and curriculum levels. Eventually, OASL aims to improve interactive teaching in classroom, beyond the traditional viewpoint of test scoring.

Keywords:

online assessment, formative assessment, science education, science literacy, item response theory