

ABSTRAK

PENGEMBANGAN INSTRUMEN ASESSMEN KOMPETENSI MINIMUM (AKM) LITERASI SAINS BERBASIS *LYNK.ID* PESERTA DIDIK PADA MATERI TATA SURYA

Oleh

Veny Endar Hadi Ayuningtyas

Penelitian pengembangan ini bertujuan untuk mengembangkan instrumen Asesmen Kompetensi Minimum (AKM) Literasi Sains berbasis *Lynk.id* pada materi tata surya yang valid dan praktis. Desain penelitian yang digunakan adalah Penelitian dan Pengembangan menggunakan R&D yang mengacu pada model pengembangan 4-D yang di sarankan oleh Thiagarajan *et al.*,(1974). Subjek uji coba produk yaitu siswa kelas VIII E di SMP Negeri 3 Metro Pusat, kelas VIII A di SMP Negeri 10 Metro Pusat, kelas VIII A di SMP Muhammadiyah Metro Barat, dan kelas VIII B di SMP IT Bina Insani Metro Utara. Instrumen Asesmen Kompetensi Minimum yang dikembangkan memiliki karakteristik yakni suatu instrumen soal Asesmen Kompetensi Minimum Literasi Sains materi Tata Surya yang dimuat dalam lembar kerja *Liveworksheet* kemudian di adopsi kedalam web yaitu *Lynk.id*. Hasil penelitian menunjukkan bahwa instrumen Asesmen Kompetensi Minimum (AKM) Literasi Sains berbasis *Lynk.id* pada materi Tata Surya memperoleh nilai validitas internal instrumen rata-rata 86,1% dengan kategori sangat tinggi, validitas butir soal, reliabilitas, tingkat kesulitan butir soal (*item measure*), kebiasaan soal dan fungsi pengecoh yang baik dan kepraktisan instrumen sebesar 81,25% dengan kategori sangat tinggi. Dengan demikian dapat disimpulkan bahwa instrumen Asesmen Kompetensi Minimum (AKM) Literasi Sains berbasis *Lynk.id* valid dan praktis dalam mengukur kemampuan literasi sains peserta didik pada materi tata surya.

Kata kunci : instrumen asesmen AKM, literasi sains, *Lynk.id*, Tata Surya

ABSTRACT

DEVELOPMENT OF COMPETENCY ASSESSMENT INSTRUMENTS MINIMUM (AKM) SCIENCE LITERACY BASED ON LYNK.ID STUDENTS ON SOLAR SYSTEM MATERIALS

By

Veny Endar Hadi Ayuningtyas

This development research aims to develop a Lynk.id-based Science Literacy Minimum Competency Assessment (AKM) instrument on solar system material that is valid and practical. The research design used is Research and Development using R&D which refers to the 4-D development model suggested by Thiagarajan. The product trial subjects were students in class VIII E at SMP Negeri 3 Metro Pusat, class VIII A at SMP Negeri 10 Metro Pusat, class VIII A at SMP Muhammadiyah Metro Barat, and class VIII B at SMP IT Bina Insani Metro Utara. The Minimum Competency Assessment instrument developed has the characteristic that it is an instrument for the Minimum Competency Assessment of Scientific Literacy on Solar System material which was contained in a Liveworksheet worksheet and then adopted on the web, namely *Lynk.id*. The results of the research show that the Lynk.id-based Science Literacy Minimum Competency Assessment (AKM) instrument on solar system material obtained an average internal validity value of the instrument of 86.1% in the very high category, validity of question items, reliability, the difficulty level of the items (item measure), the familiarity of the questions and the good distractor function and the practicality of the instrument were 81.25% in the very high category. Thus, it can be concluded that the Lynk.id-based Minimum Competency Assessment (AKM) Science Literacy Assessment instrument is valid and practical in measuring students' scientific literacy abilities on solar system material.

Keywords: AKM assessment instrument, scientific literacy, *Lynk.id*, Solar System