

**PENGEMBANGAN ALAT UKUR TES IPA BERORIENTASI HIGHER
ORDER THINKING SKILLS DENGAN ELABORASI NILAI-NILAI
KEARIFAN LOKAL “TRI HITA KARANA”
DI MADRASAH IBTIDAIYAH**

SURAYANAH

ABSTRAK

Penelitian ini bertujuan untuk menghasilkan alat ukur tes IPA berorientasi *higher order thinking skills* (HOTS) dengan elaborasi nilai-nilai kearifan lokal “*Tri Hita Karana*” di Madrasah Ibtidaiyah se-Provinsi Bali yang valid, praktis, dan efektif untuk meningkatkan HOTS. Pengembangan alat ukur tes IPA dengan tahapan (1) analisis kebutuhan dan merumuskan tujuan, (2) merancang alat ukur tes, (3) mengembangkan alat ukur tes, dan (4) mengimplementasikan serta mendiseminasikan alat ukur tes. Data dikumpulkan dengan tes. Data dianalisis secara deskriptif kualitatif dan kuantitatif. Hasil penelitian menunjukkan (1) prototipe pengembangan alat ukur tes IPA berorientasi HOTS dengan elaborasi nilai-nilai kearifan lokal dilakukan dengan empat tahapan dengan dimensi proses kognitif dan pengetahuan HOTS dielaborasi dengan nilai-nilai kearifan lokal “*Tri Hita Karana*” yang mengandung tiga hubungan, yaitu harmoni manusia dengan tuhan, harmoni manusia dengan manusia, dan harmoni manusia dengan lingkungan, (2) Alat ukur IPA dinyatakan valid dengan kriteria $r_{xy} > r_{t(5\%)}$, (3) Alat ukur IPA dinyatakan memiliki reliabilitas (0,804), dan (4) bahan ajar dinyatakan efektif untuk meningkatkan HOTS dengan $E_s = 0,83$ dengan kriteria efektivitas tinggi. Berdasarkan hasil penelitian dapat disimpulkan bahwa alat ukur tes IPA berorientasi HOTS dengan elaborasi nilai-nilai kearifan lokal “*Tri Hita Karana*” di Madrasah Ibtidaiyah se-Provinsi Bali telah memenuhi kriteria valid, praktis, dan efektif untuk meningkatkan HOTS.

Kata kunci: elaborasi nilai-nilai kearifan lokal “*Tri Hita Karana*”, *higher order thinking skills*

**DEVELOPMENT OF SCIENCE TEST INSTRUMENT ORIENTED
HIGHER ORDER THINKING SKILLS WITH THE ELABORATION
OF "TRI HITA KARANA" LOCAL WISDOM VALUES
IN MADRASAH IBTIDAIYAH**

SURAYANAH

ABSTRACT

This research aims to produce science test instruments oriented to higher order thinking skills (HOTS) with the elaboration of the local wisdom values of "Tri Hita Karana" in Islamic Madrasah Ibtidaiyah in Bali Province which are valid, practical, and effective to improve HOTS. Development of a science test gauge with stages (1) needs analysis and formulating objectives, (2) designing a test gauge, (3) developing a test gauge, and (4) implementing and disseminating a test gauge. Data collected by test. Data were analyzed descriptively qualitative and quantitative. The results showed (1) prototype The development of HOTS-oriented science test instruments with the elaboration of local wisdom values was carried out with four stages with dimensions of cognitive processes and HOTS knowledge elaborated with the values of the local wisdom "Tri Hita Karana" which contained three relationships, namely harmony between humans and God, harmony between humans and humans, and harmony between humans and the environment, (2) IPA measurement tools are declared valid with the criteria $r_{xy} > r_t$ (5%), (3) IPA measurement tools are declared to be highly reliable, 0.804, and (4) teaching materials are declared effective for increasing HOTS with $E_s = 0.83$ with high effectiveness criteria. Based on the results of the study it can be concluded that the HOTS-oriented science test instrument with the elaboration of the local wisdom values of "Tri Hita Karana" in Ibtidaiyah Islamic Schools in Bali Province has fulfilled valid, practical, and effective criteria to improve HOTS.

Keywords: elaboration of local wisdom values "Tri Hita Karana", higher order thinking skills