

**ADAPTASI DAN VALIDASI SKALA *TEACHER ARTIFICIAL
INTELLIGENCE COMPETENCE SELF-EFFICACY* UNTUK
MENGUKUR *SELF-EFFICACY* GURU MATEMATIKA
TERHADAP PENGGUNAAN AI**

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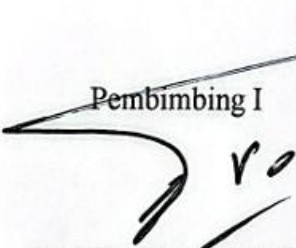
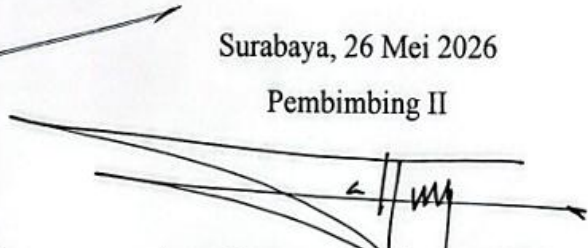
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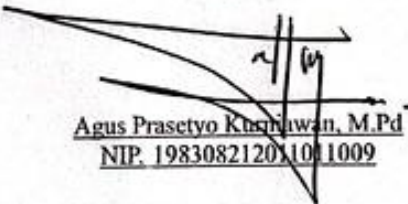
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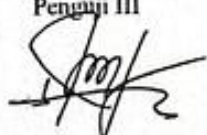
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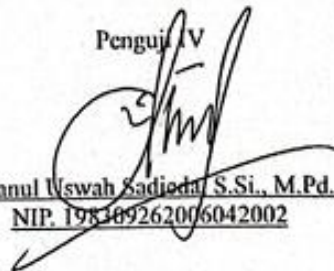
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ABSTRAK

Nira Aulia, 2026. Adaptasi dan Validasi Skala *Teacher Artificial Intelligence Competence Self-efficacy* Untuk Mengukur *Self-efficacy* Guru Matematika Terhadap Penggunaan AI. Skripsi Program Studi Pendidikan Matematika Fakultas Tarbiyah dan Ilmu Keguruan Universitas Islam Negeri Sunan Ampel Surabaya. Pembimbing I **Prof. Dr. Kusaeri, M.Pd.** Pembimbing II **Agus Prasetyo Kurniawan, M.Pd.**

Kata Kunci: *Self-efficacy*, Skala *Teacher Artificial Intelligence Competence Self-efficacy*, AI, Guru Matematika.

Self-efficacy guru dalam menggunakan *Artificial Intelligence* (AI) menjadi salah satu faktor penting dalam mendukung integrasi teknologi pada pembelajaran matematika. Namun, hingga saat ini instrumen yang secara khusus mengukur *self-efficacy* guru terhadap penggunaan AI dalam konteks pembelajaran matematika di Indonesia masih terbatas. Penelitian ini bertujuan untuk mengadaptasi dan menguji validitas serta reliabilitas skala *Teacher Artificial Intelligence Competence Self-efficacy* (TAICS), mendeskripsikan tingkat *self-efficacy* guru matematika terhadap penggunaan AI.

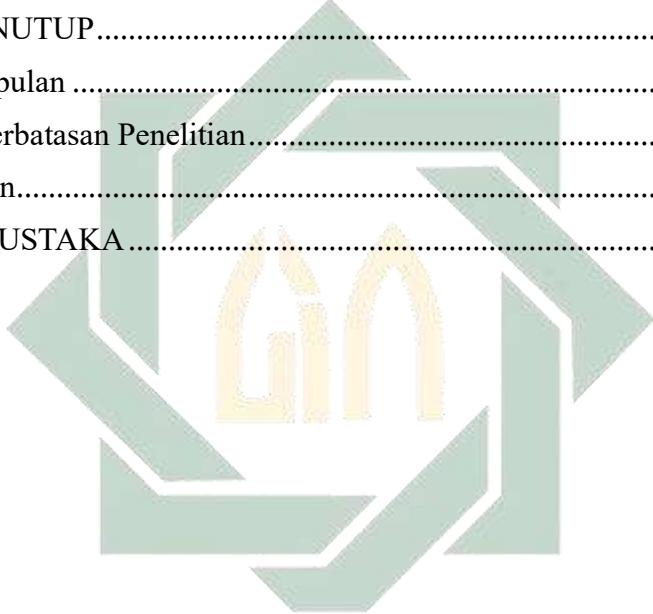
Jenis penelitian ini adalah penelitian kuantitatif deskriptif dengan metode survei. Penelitian dilakukan pada 161 guru matematika jenjang SMA di Kabupaten Sidoarjo. Proses adaptasi instrumen dilakukan melalui tahapan *forward translation*, *backward translation*, penyesuaian konteks, *expert review*, dan *cognitive debriefing*. Analisis data kemudian dilakukan uji validitas isi menggunakan indeks *Aiken's V*, uji validitas konstruk menggunakan *Confirmatory Factor Analysis* (CFA), uji validitas konvergen menggunakan *Average Variance Extracted* (AVE), uji reliabilitas menggunakan *Cronbach's Alpha* dan *McDonald's Omega*, analisis deskriptif dengan menghitung *mean* dan *standard deviation*.

Hasil penelitian menunjukkan bahwa skala TAICS hasil adaptasi dengan total 22 *item* telah memenuhi kriteria *goodness of fit* pada model akhir CFA. Seluruh konstruk memiliki nilai AVE di atas 0,50 sehingga instrumen dinyatakan valid. Selain itu, hasil reliabilitas menunjukkan nilai *Cronbach's Alpha* dan *McDonald's Omega* di atas 0,70 sehingga instrumen dinyatakan reliabel untuk mengukur *self-efficacy* guru matematika terhadap AI. Hasil analisis deskriptif menunjukkan bahwa sebanyak 19 guru (12%) berada pada kategori *self-efficacy* tinggi, 115 guru (71%) berada pada kategori sedang, dan 27 guru (17%) berada pada kategori rendah.

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