

**Pengembangan Alat Ukur Literasi Digital Calon Guru Pendidikan Agama
Islam**



**UIN SUNAN AMPEL
S U R A B A Y A**

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DISERTASI

**Diajukan untuk Memenuhi Sebagian Syarat
Memperoleh Gelar Doktor dalam Program Studi Pendidikan Agama Islam
Pada Fakultas Tarbiyah dan Keguruan UIN Sunan Ampel Surabaya**

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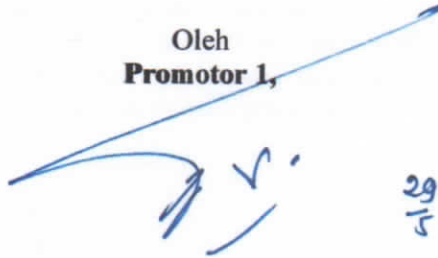


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ABSTRAK

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Promotor : Prof. Dr. Kusaeri, M.Pd.; H. Mokhammad Syaifudin, M.Ed., Ph. D.
Kata Kunci : Literasi Digital, SJT, FC, PAI.

Perkembangan teknologi membawa dampak pada dunia pendidikan, literasi digital diperlukan di dunia digital untuk menavigasi informasi. Alat ukur literasi digital yang valid dan reliabel sangat dibutuhkan untuk mengidentifikasi tingkat literasi digital calon guru, guna memastikan mereka memiliki kemampuan yang memadai dalam menggunakan teknologi secara efektif dalam proses pembelajaran. Instrumen ini tidak hanya membantu dalam mengukur pengetahuan dan keterampilan teknis, tetapi juga sikap dan etika dalam penggunaan teknologi. Disertasi ini tentang “Pengembangan Alat Ukur Literasi Digital Calon Guru Pendidikan Agama Islam” bertujuan untuk (1) mengembangkan konstruk alat ukur literasi digital yang tepat untuk mahasiswa calon guru PAI? (2) *Goodness of Fit* alat ukur literasi digital mahasiswa calon guru PAI?

Penelitian ini menggunakan desain penelitian pengembangan atau Research and Development (R&D) dengan produk akhir berupa *Situational Judgment Digital Literacy Scale* (SiJaDiLiS), meliputi: (1) fase studi pendahuluan, (2) fase pembuatan desain, (3) fase evaluasi. Instrumen yang dikembangkan terdiri dari Situational Judgment Test (SJT) 40 item dan Forced Choice (FC) 69 item. Subjek penelitian ini adalah mahasiswa program studi Pendidikan Agama Islam Universitas Islam Sultan Agung yang sudah menempuh semester 5, jumlah subjek sebanyak 247 subjek penelitian. Analisis dalam penelitian ini menggunakan aplikasi Jeffeys’s Amazing Statistics Program (JASP) untuk Exploratory Factor Analysis (EFA), dan SmartPls-4 untuk Confirmatory Factor Analysis (CFA)

Hasil akhir penelitian ini menunjukkan: *Pertama*, Secara keseluruhan, konstruk alat ukur literasi digital yang dikembangkan memiliki validitas dan reliabilitas yang baik, serta dapat digunakan secara praktis untuk mengukur literasi digital di kalangan mahasiswa calon guru PAI. *Kedua*, Hasil uji Goodness of Fit diperoleh ini sebanyak 38 item SJT dan 10 item FC yang dinyatakan baik dan cocok digunakan untuk mengukur literasi digital mahasiswa calon guru PAI

ABSTRACT

Title : Development of a Digital Literacy Measuring Tool for Prospective Islamic Religious Education Teachers
Promoter : Toha Makhshun
Promotor : Prof. Dr. Kusaeri, M.Pd.; H. Mokhamad Syaifudin, M.Ed., Ph. D.
Keywords : Digital Literacy, Situational Judgment Test, Digital Competency, Educational Technology

The advancement of technology has an impact on the educational sector, necessitating digital literacy to navigate information in the digital world. A valid and reliable digital literacy assessment tool is crucial for identifying the digital literacy levels of prospective teachers and ensuring they possess adequate skills to use technology effectively in the learning process. This instrument assisted in assessing technical expertise, attitudes, and morality towards technology use. This dissertation discussed the "Development of a Digital Literacy Assessment Tool for Prospective Islamic Education Teachers," aiming to develop a suitable digital literacy assessment construct for Islamic Education Programme (PAI) students. The study explored the following: (1) develop the construction of an appropriate digital literacy measurement tool for prospective Islamic Education teacher students? (2) Goodness of Fit of the digital literacy measurement tool for prospective Islamic Education teacher students?

This research employed a developmental research design, or Research and Development (R&D), with the final product being the Situational Judgement Digital Literacy Scale (SiJaDiLiS), which included: (1) the preliminary study phase; (2) the design phase; and (3) the evaluation phase. The instrument developed consists of 40 Situational Judgment Tes (SJT) items and 10 Forced Choice (FC) items. The research subjects were 247 PAI programme students at Sultan Agung Islamic University who had completed the fifth semester. This study's analysis uses Jeffeys's Amazing Statistics Program (JASP) for Exploratory Factor Analysis (EFA) and SmartPLS4 for Confirmatory Factor Analysis (CFA).

The study's final results indicated: First, pre-service teachers in Islamic religious education can practically use the developed digital literacy assessment construct, which has good validity and reliability. Second, the Goodness of Fit test results showed that 38 SJT items and 10 FC items were suitable and appropriate for assessing the digital literacy of aspiring Islamic education teachers.

الملخص

العنوان: تطوير الأداة لقياس الكفاءة الرقمية لمعلمي المرشحين في التربية الإسلامية

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الكلمات المفتاحية: الكفاءة الرقمية، اختبار الحكم على الموقف، الاختيار القسري، التربية الإسلامية

إن تقدم التكنولوجيا يؤثر على التعليم، مما يستلزم الكفاءة الرقمية للتنقل في المعلومات في العالم الرقمي. إن أداة لقياس الكفاءة الرقمية صالحة وموثوقة ضرورية لتحديد مستويات الكفاءة الرقمية لمعلمي المستقبل، مما يضمن أنهم يمتلكون المهارات الكافية لاستخدام التكنولوجيا بفعالية في عملية التعلم. لا تساعد هذه الأداة في قياس المعرفة والمهارات الفنية فحسب، بل تساعد أيضاً في قياس المواقف والأخلاقيات في استخدام التكنولوجيا. تناقش هذه الأطروحة "تطوير أداة لقياس الكفاءة الرقمية لمعلمي المرشحين في التربية الإسلامية"، وتهدف إلى تطوير بناء مناسب لأداة قياس الكفاءة الرقمية لطلاب بقسم التربية الإسلامية (PAI). يستكشف البحث: (1) تطوير بناء مناسب لقياس المعرفة الرقمية لدى طلاب معلمي التربية الإسلامية المحتملين؟ (2) مدى ملاءمة قياس المعرفة الرقمية لدى طلاب معلمي التربية الإسلامية المحتملين؟

يستخدم هذا البحث تصميم بحثي تنموي أو بحث وتطوير (R&D) مع المنتج النهائي المتمثل في مقياس الكفاءة الرقمية للحكم الوضعي (SiJaDiLiS)، والذي يشمل: (1) مرحلة الدراسة التمهيديّة، (2) مرحلة التصميم، و (3) مرحلة التقييم. تتكون الأداة المطورة من 40 عنصر SJT و 10 عناصر FC. كان موضوع البحث 247 طالباً في برنامج PAI في جامعة السلطان أغونغ الإسلامية الذين أكملوا الفصل الدراسي الخامس. يستخدم التحليل في هذا البحث تطبيق JASP للتحليل العاملي الاستكشافي، و SmartPls4 للتحليل العاملي التوكيدي.

تشير النتائج النهائية لهذه الدراسة إلى ما يلي: أولاً، بشكل عام، يتمتع بناء أداة قياس الكفاءة الرقمية المطورة بصلاحية وموثوقية جيدة، ويمكن استخدامها عملياً لقياس الكفاءة الرقمية بين طلاب التربية الإسلامية المحتملين. ثانياً، أظهرت نتائج اختبار جودة التوافق وجود 38 عنصر SJT و 10 عناصر FC التي تعتبر مناسبة وملائمة لقياس الكفاءة الرقمية لطلاب التربية الإسلامية المحتملين.

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