

Development of Indonesian Language Learning Strategy Based on TPR and AI for Native Thai Language Speakers

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Abstract

This research develops an Indonesian language learning strategy for native Thai speakers by leveraging the Total Physical Response (TPR) approach integrated with Artificial Intelligence technology. The primary challenge faced by Thai learners is understanding the structure, vocabulary, and pronunciation of Indonesian, which differ significantly from the Thai language system. The proposed solution involves developing an AI application using Google Opal that integrates three learning modalities: visual (images), textual (sentences), and audio (recordings). The combination of TPR and AI technology is designed to make learning more concrete, interactive, and contextual, thereby facilitating deeper comprehension of the target language. This research employs a research and development approach comprising product development, pilot testing, and validation phases. Validators are randomly selected Thai native speakers with expertise and experience in Indonesian language learning. The validation data is analyzed using Aiken's formula to determine the content validity ratio and content validity index of the developed product, ensuring rigorous assessment of the platform's quality and effectiveness. The research outcomes are expected to produce an effective, valid, and practical AI-based learning platform that enhances Indonesian language comprehension among Thai learners. The research outputs contribute to advancing innovative and technology-driven foreign language learning methodologies while providing an alternative solution for Indonesian language instruction outside Indonesia. This work also demonstrates how AI can be leveraged to address specific linguistic and cultural challenges in language learning contexts.

Keywords : Total Physical Response, Artificial Intelligence, BIPA, Thai Language, Teaching

BIPA

BIPA in Technology

ART and CULTURAL

Thai and Indonesian Literature

ASEAN

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Author: HAKIEM, Marsekal Rahman

Co-authors: Mr KHOIRUDDIN, Nur Farid (Qassim University); Mr PRASETYO, Bambang (Universitas Islam Negeri Raden Fatah Palembang)

Presenter: HAKIEM, Marsekal Rahman

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