

VOICE RECOGNITION FOR SLIDE PRESENTATION NAVIGATOR USING MICROCONTROLLER

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ABSTRACT

This paper aims to develop a navigation system that is controlled slide sound and assessing its performance. The paper method research and development (R&D). Model development is done using ADDIE principle that consists of 5 stages are repeated; starting from a) analysis, b) design, c) developing, d) implementation, and e) evaluation. Data collection techniques in this study include functional testing to find the value of accuracy. The calling process is processed through the slide navigation commands matching the characteristics of the input so as to produce output data format "Head (AA) | Length | Command | Data | End (0A) "in hexadecimal. Utilization of ANN algorithm is able to provide a response that is reliable proven 85% accurate recognition of data.

Kata kunci: ANN, microcontroller, slide navigator