

INNOVATION SOFTWARE TALENT IDENTIFICATION ARCHERY SPORT IN YOGYAKARTA SPECIAL REGION

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ABSTRACT

Industrial Prototype Research with the theme of the flagship center of science and technology aims to produce product innovations in the form of talent identification prototype software in archery sports to facilitate the process of networking children's talents that have potential in archery sports in DIY.

This research is development research. In this study, researchers made modifications through the simplification process. Simplification of the model from four stages to three stages, namely define, design, and development (develop). This study sample was sons and daughters aged 6-11 years who were in schools in the Special Region of Yogyakarta as many as 60 children.

This research instrument uses questionnaires and data analysis techniques conducted in this study is a quantitative analysis technique that is an assessment using numbers. The results of this study are expected to produce an instrument to find out the potential of children in archery sports that can later be built into professional archery athletes.

The results of this study are (1) a product biomotor data analysis system to identify potential and talent archery sports in children aged 11 years, (2) The level of eligibility of this product is known through material validation assessments get the average results of material aspect assessment with the category Very Appropriate / Very Worthy, as well as the results of media aspect assessment with the category Very Appropriate / Very Worthy. Thus, it can be concluded that this product is suitable/usable, and (3) based on effectiveness tests, shows that the product is effectively used in identifying, distinguishing the potential and sporting talents of children aged 6-11 years.

Kata Kunci: *Innovation, Software, Talent Identification, Archery*