

# DEVELOPMENT OF AN INFORMATION SYSTEM FOR COACHING TENNIS SPORT IN YOGYAKARTA SPECIAL REGION

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## ABSTRACT

The Special Region of Yogyakarta has a large potential of tennis athletes and talented, but still not optimal in achieving the expected achievements. still not optimal in achieving the expected achievements. In improving tennis achievement tennis achievements, proper coaching is needed starting from juniors to seniors. There are several factors that affect achievement. Based on the results of interviews conducted at Yogyakarta Special Region PELTI Regional Management, currently there are still several obstacles faced by Pengda PELTI DIY such as incomplete and accurate data on the performance of tennis athletes, lack of coordination between stakeholders in encouraging achievement and lack of supervision of athlete development. The purpose of this research is to create a product development of an information system for coaching tennis achievements in the Special Region of Yogyakarta. Yogyakarta. This national research priority research uses a combination of approaches from Thiagarajan et al (1974) which includes Define, design, develop, and disseminate. The approach The research approach used a combination of qualitative and quantitative approaches (mix-method). The qualitative approach is in the form of a literature review to design a conceptual model. The approach The quantitative approach uses a survey to determine the potential for product innovation. The population of this study namely PELTI administrators, DIY tennis coaches and athletes. The sampling technique was carried out by purposive sampling. The research data collection technique used Delphi, questionnaires and document studies. document study. The data analysis technique uses a mix method combination of quantitative and qualitative analysis. quantitative and qualitative analysis. The targeted research results are information systems with Technology Readiness Level (TKT) achievement is 6 (six), IPR and international articles indexed by Scopus.

Kata Kunci: *Development, Information System, Tennis*