

MAPPING REVIEW OF GEOGRAPHICAL FACTORS SUPPORT IN DIY RELATED TO PHYSIOLOGICAL ELEMENTS OF TALENTED ATHLETE CANDIDATES IN LEADING SPORTS BRANCH PERSPECTIVE

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ABSTRACT

The specific objective and target of this research is to analyze and explore through a review of the mapping of the relationship between geographical conditions and the physiological conditions of the community related to efforts to improve and develop achievement sports in Yogyakarta. Obtaining a study on the relevance of geographical conditions to the physiological conditions of the surrounding community towards efforts to improve and develop achievement sports.

Research Methods in this study refers to Research & Development research with a mix method research approach (mixed methods) through an exploratory study pattern. The results of the research and discussion in this study are related to the uniqueness of the DIY Province, so it is undeniable that the need for food as a supporter of human growth can be fulfilled and fulfilled properly, considering the availability of agricultural land, plantations, fisheries which are very supportive. On the other hand, DIY Province with its tropical climate with relatively high humidity has the potential to develop outstanding athletes by considering the ideal distribution of hill/mountainous plains, mountain slopes, plains and coasts where areas with high humidity have many advantages for the development of sports such as sports. aerobics, an aerobics, games and self-defense. Physiologically, the average results of the entire series of biomotor tests on research samples in the "Medium" category were obtained. Regarding the age range of the research sample in the range of 15-16 years (teenage age) with the achievement of the biomotor quality portrait, it is still very possible to be optimized again in the future towards the golden age in achieving peak performance of potential athletes.

The conclusion of this study is that a review of mapping support for geographical factors in the DIY region related to physiological elements in the perspective of leading sports is very possible. This can be interpreted from the favorable geographical conditions as well as the results of the study from an anatomical point of view, especially the ideal height and weight of qualified talented athletes (regardless of the specific characteristics of the sport). However, this will be even more perfect if synergies are established in other supporting aspects in order to achieve maximum training goals in order to achieve maximum performance as well.

Kata Kunci: *Geographical Conditions, Sports Achievement, Physiological Factors*