

Overview of geographic factors (plantation agricultural products) in the Special Region of Yogyakarta related to physical potential (height and weight) in the perspective of potential superior athletes

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ABSTRACT

This study aims to determine the extent of support in the perspective of geographic factors in DIY (especially related to agricultural and plantation products) as an effort to review and map the physical potential (especially regarding height and weight conditions) of the prospective athletes. The research method in this study is a mixed method (mixed methods / combined). The research data were obtained from primary and secondary sources. The research subjects of secondary data were adolescents aged 15-16 years. The sampling technique in this study was purposive sampling. The results showed that the geographical conditions in DIY related to geographical position, topography, demographics and climate with the quality of agricultural and plantation products can be classified as ideal, where the food element from agricultural and plantation products is an element of fulfilling children's nutrition in optimal growth and development. The alignment of this data can be seen from the results of measurements of height and weight of children aged 15-16 years in DIY where the average male shows the results when converted to the growth table as a whole, the average height and weight for boys is 166, 85cm and women 159.56 so that both men and women are classified as very good / ideal, because it is above the average where the age of 15-18 years is 147.9-149.8cm for women and for men 153.4-161, 2cm. The condition of the male body weight 55.57 kg and 52.21 kg female, when converted to the growth table for ages 15-16 years, boys 57-61 kg and 52-54 kg girls, then the overall condition of body weight in males is still lacking (the difference from the standard ideal weight conversion table is 1.43kg) and for women it is already classified as very ideal.

Kata Kunci : *Geographical, Height, Weigh*