

ABSTRACT

MURNI CANTIKA ROSDAYANTI. 2024. *Contribution of Height, Arm Length and Leg Muscles Power to 50 Meter Crawl Stroke Speed*. Department of Physical Education, Faculty of Teacher Training and Education, Siliwangi University, Tasikmalaya.

The purpose of this study was to determine the contribution of height, arm length, leg muscles to 50 meter crawl stroke speed at the Dragon Fish Aquatic KU-III club. The research method used is descriptive quantitative. The population in this study were 15 athletes of the Dragon Fish Aquatic KU-12 swimming club. The determination of this sample was carried out using the total sampling technique with a total of 15 swimming athletes. Based on the research results, the correlation between height and 50 meter crawl stroke speed is 11.76% and the correlation level is in the low category (0.343), arm length and 50 meter crawl stroke speed is 6.89% and the correlation is in the low category (0.262), the correlation between leg muscles and 50m 50 meter crawl stroke speed is 41.01% and the correlation value is in the sufficient category (0.640), the joint contribution between height, arm length, and leg muscles to 50 meter crawl stroke speed is 55.28% and the contribution value is in the high category (0.743).

Keywords: crawl stroke, arm length, crawl stroke, height, leg muscles power.