



BIOMECHANICAL ANALYSIS OF SHOOTING ON FEMALE'S FUTSAL PLAYERS

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A B S T R A C T

Biomechanics study purposes evaluated the movements so that players can improve their abilities, and find out the weaknesses of the movements performed. The research purpose was determined the correlation between momentum and ball velocity seen from the analysis of the shooting movement of female futsal players. This research was used quantitative biomechanics with an inferential analysis approach in the form of correlation analysis. The research sample consisted of 5 female futsal players. Data obtained from the shooting test video recordings then extracted into several images then analyzed related to flexion, hip, extension, and elevation angles using Kinovea software. The correlation between momentum and ball velocity was used the Pearson correlation.

Keywords: *Biomechanics; Shooting; Futsal*