



RELATIONSHIP OF KINEMATIC VARIABLES WITH THE PERFORMANCE OF BASKETBALLPLAYERS I N LAY-UP SHOT

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The purpose of the study was to determine the relationship between selected kinematic variables and performance of lay-up shots. Five (N=5) male basketball players who represented Punjab Technical University, Jalandhar, were selected as subjects for the study. The help of digital photography was used to film the subjects in sagittal plane of lay-up shot. Joint point method was used in order to obtain the values of selected angular kinematic variables from developed stick figures. Height of center of Gravity was calculated by segmentation method. The performance in Lay-Up Shot was recorded by the scores in Lay-Up Shot, which was obtained by using a three point scale by the three judges. To determine the degree of relationship between selected kinematic variables with the performance in Layup Shot, Pearson's Product Moment Correlation Method was used. The results have shown the insignificant values of coefficient of correlation in case of all the selected kinematic variables and significant relationship between the height of center of gravity at the moment of release with the performance of the subjects in lay-up shots.

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