UNIVERSITI TEKNOLOGI MARA

GOAL SCORING PATTERNS IN MEN'S FOOTBALL: THE CASE BETWEEN WINNING AND LOSING TEAM IN FIFA WORLD CUP QATAR 2022

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ABSTRACT

This study aims to describes and compare the goal-scoring patterns between winning and losing teams in men's football matches of FIFA World Cup Qatar 2022. This study was a non-experimental, cross-sectional design. The sample size for this study was determined using power analysis, which considered the size of the effect being studied and the desired level of statistical power. A sample of n=49 matches was determined to be sufficient to detect meaningful differences in the goal-scoring patterns (corner kick, solo run, header, long shot, rebound, curve, volley, freekick, knuckle and penalty kick) of winning and losing teams with p < 0.05. Based on the result from Mann-Whitney U test, it revealed that there was a significant difference in the solo run status between winning (Md = 2.00, n = 49) and losing (Md = 1.00, n =49), U = 672.5, z = -3.882, p = < 0.01, r = 0.39 between winning and losing teams in the FIFA World Cup Qatar 2022. In addition, the mean solo run for the winning teams was 1.90 ± 0.96 while the solo run for losing was 1.08 ± 1.16 . The difference between these variables was 0.82. In addition, header also revealed a significant difference between winning (Md = 3.00, n = 49) and losing (Md = 2.00, n = 49), U = 688.5, z = -3.744, $p = \langle 0.01, r = 0.38$. The mean for header winning shown that 2.92 ± 1.66 is higher than the header for losing which is 1.86 ± 1.31 with 1.06 mean differences between these variables. Individual dribbling skills (solo run) contributed significantly to goal-scoring opportunities and headers accounted for a substantial portion of goals scored in football matches. In summary, it can be concluded as solo runs & headers were vital goal-scoring patterns for winning teams. Individual creativity in scoring chances and header efficiency during set-pieces were crucial differentiators.

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