

UNIVERSITI TEKNOLOGI MARA

**ANALYSIS OF GOAL SCORING THAT
DISCRIMINATED BETWEEN WINNING AND
LOSING TEAM IN FIFA FUTSAL WORLD
CUP 2016**

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AUTHOR'S DECLARATION

I declare that the work in this dissertation was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the results of my own work, unless otherwise indicated or acknowledge as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Post Graduate, Universiti Teknologi MARA, regulating the conduct of my study and research.


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ABSTRACT

In the current study, total of 43 videos were analysed in order to determine any difference in term of goal scoring in FIFA Futsal World Cup 2016. Goal scoring was the climax and one of the most important indicators in any sport. Total of 39 indicators were used and Mann Whitney Test was used to determine the difference between winning and losing team. The objective of this study is to investigate the differences of winning and losing teams in terms of goal scoring and other selected performance indicator that related with goal scoring. The results shows the significant on curl shot and driven shot are $.279 \pm .477$ ($Z=$, $p < 0.05$) and 1.291 ± 1.3879 ($Z=$, $p < 0.05$). For the number of touches, 0 and 1 are the only significant results which show 2.244 ± 1.8783 ($Z=$, $p < 0.05$) and 0.640 ± 0.8665 ($Z=$, $p < 0.05$). For crossing, only the left crossing is significant which is 0.314 ± 0.5371 ($Z=$, $p < 0.05$). Passing are the where most significant results are found. They are inside foot (1.872 ± 1.578) ($Z=$, $p < 0.05$), outside foot ($.267 \pm .538$) ($Z=$, $p < 0.05$), through ball ($.385 \pm .706$) ($Z=$, $p < 0.05$), lob ($.361 \pm .612$) ($Z=$, $p < 0.05$), backheel ($.047 \pm .212$) ($Z=$, $p < 0.05$) and sole passing ($.093 \pm .292$) ($Z=$, $p < 0.05$). Lastly, area shot at the goal post that produce a goal which were area A ($.395 \pm .656$) ($Z=$, $p < 0.05$), C ($.430 \pm .660$) ($Z=$, $p < 0.05$), D ($.814 \pm 1.012$) ($Z=$, $p < 0.05$), E ($.744 \pm .857$) ($Z=$, $p < 0.05$) and F ($.919 \pm 1.066$) ($Z=$, $p < 0.05$). It can be concluded that in this current study, the important indicators that being used in the tournament were found significantly different between winning and losing team.

Keywords: *futsal, performance analysis, goal scoring, winning team and losing team*

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