

**COMPARISON BETWEEN ATTACK POSITION AND  
ATTACK EFFICACY OF ELITE FEMALE  
VOLLEYBALL TEAMS DURING TOKYO ASIAN  
VOLLEYBALL CONFEDERATION QUALIFICATION  
2020**

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## AUTHOR'S DECLARATION

I declare that the work in this research project was carried out according to the regulations of Universiti Teknologi MARA. The originality of my work, unless otherwise indicated or acknowledge as referenced work. This research project has not been submitted to any other academic institution for any degree of qualification.

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

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## *Abstract*

*The 2020 Women's Asian Olympic Qualification Tournament is a volleyball tournament for women's national teams organized by Asian Volleyball Confederation (AVC) and Fédération Internationale de Volleyball (FIVB) held in Nakhon Ratchasima, Thailand chose as a sample of this case study. The main purpose of this study is to describe and identify the comparison of the attack efficacy between the position of elite female teams in AVC Tokyo Volleyball Qualifications 2020. There are four elements in attack efficacy: attack error, continuity, block, and point. An analysis was made of all 13 matches ( $N=13$ ) played on five days of competition (7th, 8th, 9th, 11th, and 12th day of competition) through Nacsport, sports video analysis software. The reliability and validity testing outcome from the Pearson Correlation showed  $r=1.00$  and the percentage of total error is 7.34%. The Kruskal-Wallis  $H$  test was used to run the inferential analysis based on the value of mean rank scores of attack efficacy. The outcome showed that the four elements of attack efficacy had a significant difference between positions. This study's findings provide evidence on optimizing the training process that aimed at increasing the efficiency of spikes from a particular position.*

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On a final note, I hope that this information about performance analysis in volleyball can be a guide for enhancing the team's performance, which is linked to the technical and tactical preparation of the team. This knowledge has inspired me to do better in the future and to share it with those in need.

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