

ABSTRACT

Taekwondo is a sport that originates from South Korea and is competed at the international level. Taekwondo is growing rapidly in several provinces in Indonesia, including West Java, which has quite a lot of enthusiasts. To produce the next generation of Taekwondo athletes, especially in West Java, apart from good physical condition, good facilities are also needed. The lack of Taekwondo martial arts training sites in West Java is a consideration in this design.

Judging from the international competition rules issued by the WTF (World Taekwondo Federation), currently the use of technology in Taekwondo matches and training produces more objective results. However, the training ground in West Java currently does not have these facilities and every year West Java always prepares athletes to compete at national and international levels.

Based on Central KONI data in recent years, there is a science that is developing rapidly and producing a comprehensive understanding for athletes in showing good performance, namely Sports Science Technology which is a scientific application to help athletes improve their training performance. Through proper space design, it is hoped that it can support the performance and achievements of athletes with facilities that can support athlete's activities while practicing.

Keywords: *Taekwondo, Sports Center, Athletes, Technology, West Java*