

Suriyan Somphong 2011: The Construction of Mental Toughness Measure for Taekwondo Athletes. Master of Science (Sports Science), Major Field: Sports Science, Interdisciplinary Graduate Program. Thesis Advisor: Ms.Wimonmas Prachakul, Ph.D. 134 pages.

The purpose of this research was to construct and contrast the mental toughness measure for taekwondo athletes between high moderate and low performance level. The One hundred twenty samples were selected from taekwondo athletes who participated in the 38th University Games 2011 using a purposive sampling method. The instrument was the mental toughness measure for taekwondo athletes which was created and developed by the researcher and verified by experts in sport psychology and taekwondo coaches. Data then was analyzed by using the index of item objective congruence for the construct validity and Cronbach's alpha reliability measure for the consistency of the mental toughness measure for taekwondo athletes. Then one way ANOVA was administered to contrast the mental toughness measure for taekwondo athletes between high moderate and low performance level with the .05 level of significance.

The mental toughness measure for taekwondo athletes were composed of 36 items which showed the construct validity. The total for Cronbach's alpha reliability measure was .97. The 6 elements of Cronbach's alpha reliability measure resulted in concentration of 1.00, commitment of .80, self-confidence of .95, negative energy of .80, positive energy of .95 and adversity quotient of .75, all at a .05 significant level. The contrast between high moderate and low performance level showed a significance deference of .05. Moreover the high performance level group revealed the highest of mental toughness, the moderate and low performance level, respectively.

Student's signature

Thesis Advisor's signature