

Nukul Chaisuriya 2007: The Effects of Eyes and Hand Co-ordination with Ball Training on the Response Time. Master of Science (Sports Science), Major Field: Sports Science, Interdisciplinary Graduate Program. Thesis Advisor: Associate Professor Charoen Krabuanrat, M.Ed. 75 pages.

The purposes of this research were to study and contrast the Effects of Eye and Hand Co-ordination with Ball Training On the Response Time. The subjects in this study consisted of twenty fourth male badminton Training Form Assumption University, age 18-21 years old. The subjects were selected though purposive random sampling and then divided into two groups by randomly assignment method, control (Badminton Training) and experimental group (Badminton Training and Eye and Hand Co-ordination with Ball Training). Subjects were trained 3 days per week for 8 weeks. All of the subjects were tested for Eye-Hand Response Time at the beginning of the study and after the 2<sup>th</sup> 4<sup>th</sup> 6<sup>th</sup> and 8<sup>th</sup> week to training. Data were analyzed by using mean, standard deviation, t-test (independent) and one-way analysis of variance with repeated measure and followed multiple comparison test by using the Tukey's method. Results were considered significantly difference when  $p < .05$

The results of this study showed that after the sixth and eighth week, there was difference between the control group and the experimental group at the .05 significance.

The results indicated that Eye and Hand Co-ordination with Ball Training was as effective increasing the Eye-Hand Response Time. The finding will be useful for the applied training to improve the in athletes as well.

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Thesis Advisor's signature

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