

ABSTRACT

*Halimah, 2018. **Implementation of VAK to Improve Mastery of Concepts of Students in Class XI of SMAN 20 Bandung on The Concept of Coordination System.** The first Advisor: Dr. Rer. Nat. Adi Rahmat, M.Si. and the second Advisor: Mrs. Ida Yuyu Nurul Hizqiyah, S.Pd., M.Si.*

This research is motivated by the world of education that requires students to have various skills in order to become a community capable of facing global competition and the development of science and technology in the future. This study aims to obtain information about the measurement of increasing mastery of the concept of high school students through the VAK model (visual, auditory and kinesthetic) in the learning of the concept of reflex motion (coordination system). Students' cognitive abilities are abilities that must be possessed by students in order to be able to face global competition and the development of science and technology in the future. This study uses quantitative methods with experimental design methods, namely pre-experimental design. The subject of this study was a class XI MIPA 5 which consisted of 40 students. The research data was then analyzed using the N-Gain test. The results showed that the increase in students' concept mastery in general was at the N-Gain value of 0.66 with the medium category. Most students are in the medium category, and only about 15 students are in the high category.

Keywords: *Mastery of Concepts, VAK Model (Visual, Auditory and Kinesthetic), Reflex Motion Concept (Coordination System)*