

Science is a field of study which studies the nature. This study is strongly and broadly related to human's life. Understanding of science becomes a need for every people, at least the understanding of the science literacy meaning. To fulfill the minimum requirement of natural science literacy for human's life, then science becomes one of the main subjects in general education level, from elementary school to junior high school. According to 2013 Curriculum in Indonesia, science learning process in Junior High School is integrally held between physics, chemistry, biology, and earth science. To successfully implementing the 2013 Curriculum in school, the education institution which generates science teacher should prepare the student, so that they can develop integrative science learning. Through the learning process of Integrative science, the students can get direct experience in order to increase the strength for receiving, saving, and applying the concept that has been learned. Therefore, the students are trained to discover the concept by themselves holistically, meaningfully, authentically, and actively. The ability of science teacher candidate to design materials of Integrative Science is not inherited generation by generation and it does not appear automatically. This ability requires the knowledge mastery/prerequisite understanding and regularly sufficient training in a programmed learning process. Therefore, preparation of student teacher candidate ability to develop the learning process of Science simultaneously needs to be conducted through research and development.