

## ABSTRAK

**S. Yakobus Eko Setiawan, *Pengetahuan Lokal Sebagai Bagian Dalam Mengembangkan Desain Pembelajaran Sains di SD Bungkus, Parangtritis, Kretek. Program Studi Pendidikan Fisika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Kependidikan, Universitas Sanata Dharma, Yogyakarta (2008).***

Penelitian ini bertujuan untuk mengidentifikasi pengetahuan lokal masyarakat tentang alam di sekitar daerah penelitian, dilanjutkan dengan melihat pengaruh pengetahuan lokal masyarakat tentang alam pada siswa dalam konteks materi pembelajaran sains di kelas. Berdasarkan hal tersebut, kemudian didesain pembelajaran sains yang mengintegrasikan pengetahuan lokal masyarakat tentang alam menjadi bagian dalam pembelajaran sains di kelas.

Penelitian ini dilaksanakan pada bulan September-November 2007 dengan lokasi penelitian di SD Negeri Bungkus, Parangtritis, Kretek dan termasuk daerah sekitarnya. Penelitian didahului dengan wawancara lapangan di sekitar lokasi penelitian pada tiga orang tokoh masyarakat, kemudian dilanjutkan dilaksanakan di SD Negeri Bungkus, Parangtritis, Kretek dengan subyek siswa kelas V dan VI menggunakan wawancara dan uraian tertulis sebagai instrumen penelitiannya.

Hasil penelitian mengidentifikasi adanya pengetahuan lokal masyarakat tentang alam yang tercakup dalam (i)kepercayaan, (ii)cara berfikir masyarakat dan (iii)kegiatan masyarakat, dan dalam diri siswa pengetahuan lokal tentang alam ternyata berpengaruh dalam pembelajaran sains, tetapi pengetahuan lokal itu sendiri tidak menjadi bagian dalam pembelajaran sains di sekolah. Berdasarkan hasil tersebut, kemudian didesain pembelajaran yang mengintegrasikan pengetahuan lokal masyarakat tentang alam menjadi bagian dalam pembelajaran sains di kelas.

## ABSTRACT

**S.Yakobus Eko Setiawan, *The Local Science as a part in developing the design of Science Learning Activities in Bungkus Elementary School, Parangtritis, Kretek*. Physic Education Study Programme, Department of Mathematics and Science Education, Faculty of Teachers Training and Education, Sanata Dharma University (2008).**

This research aims to identify the local science of the society upon their environment within the location of the research, which is later on continued by figuring out its influence toward the students due to the context of science learning activities in the class. Thus, the learning activities for science is then designed to be integrated with the local science of the society upon their environment.

This research is held on September until November 2007, located in Bungkus Elementary School, Parangtritis, Kretek dan some relevant area near the location. The research is begun by the field interview in the location. The first interviewees are three people, then it is continued by the interview toward the students of class V and VI in Bungkus elementary School, Parangtritis, kretek. Written essay is considered to be the instrument in the research.

The result of the research identifies the three major points included in what is called by the society's local science of nature that is (1) believe, (2) people's mind set, and (3) the activities in the society. Mainly for the the students, the local science on nature actually affects on their activities in learning science. In fact, that local science is apart from their science learning activities at school. Hence, the learning and teaching method of science which is integrated the local science of the society upon their nature, is then designed based on those results