

## ABSTRAK

**Yuli Dasmiyati.** (2015). *Metode Praktikum Berbasis Guided Inquiry Untuk Meningkatkan Keterampilan Proses Sains dan Hasil Belajar Siswa Pada Materi Sistem Indra Kelas XI IPA SMA Negeri 11 Yogyakarta*. Yogyakarta : Universitas Sanata Dharma.

Keterampilan proses sains dan hasil belajar siswa kelas XI IPA SMA Negeri 11 Yogyakarta tahun 2013/2014 pada materi sistem indra belum mencapai kriteria ketuntasan yang ditetapkan oleh sekolah. Oleh karena itu, penelitian ini bertujuan untuk mengetahui peningkatan dan pengaruh metode praktikum berbasis *guided inquiry* terhadap keterampilan proses sains dan hasil belajar siswa kelas XI IPA SMA Negeri 11 Yogyakarta tahun ajaran 2014/2015.

Bentuk penelitian ini adalah Penelitian Tindakan Kelas (PTK) dengan subyek penelitian siswa kelas XI IPA 2 SMA Negeri 11 Yogyakarta dengan materi sistem indra. Penelitian ini dilaksanakan pada bulan Maret-April 2015. Penelitian ini dilaksanakan dalam 2 siklus, dimana setiap siklus memiliki empat tahap yaitu perencanaan, pelaksanaan, observasi, dan refleksi. Pengumpulan data dilaksanakan dengan menggunakan lembar observasi, hasil tes pada setiap siklus, dokumen laporan praktikum pada setiap siklus, dan kuesioner. Data dianalisis secara deskriptif kuantitatif.

Hasil penelitian yang diperoleh pada aspek kognitif siklus I dengan rata-rata 82.65 meningkat pada siklus II yaitu 91.25. Ketuntasan klasikal pada siklus I sebesar 83.37 % meningkat pada siklus II menjadi 100 %. Keterampilan proses sains siswa aspek psikomotorik juga meningkat. Rata-rata nilai siklus I sebesar 81.64 meningkat pada siklus II menjadi 82.81. Begitu juga dengan sikap sains siswa termasuk dalam kategori baik dengan skor rata-rata 73.6.

Berdasarkan hasil penelitian disimpulkan bahwa penerapan metode praktikum berbasis *Guided Inquiry* dapat meningkatkan keterampilan proses sains dan hasil belajar siswa kelas XI IPA SMA Negeri 11 Yogyakarta pada materi sistem indra.

Kata Kunci : Metode praktikum, *Guided Inquiry*, keterampilan proses sains, hasil belajar, sistem indra.

**ABSTRACT**

**Yuli Dasmiyati.** (2015). *Practical Method Based Guided Inquiry to Increase Students' Science Process Skills and Learning Achievement on Senses System Topic for XI Science Students in SMA Negeri 11 Yogyakarta.* Yogyakarta : Sanata Dharma University.

Science process skill and learning achievement of grade XI science students' of SMA Negeri 11 Yogyakarta school year 2013/2014 on sense system topic were not able to reach the passing grade which has set by the school. Therefore, this research aims to know increasing and the effect of practical method based guided inquiry at students' science process skill and learning achievement for XI Science student on SMA Negeri 11 Yogyakarta school year 2014/2015.

The form this of research is Classroom Action Research (CAR) and the research subject is the students of class XI IPA 2 SMA Negeri 11 Yogyakarta by using the senses system material. This research was conducted in March-April 2015. This research is carried out in 2 cycles, each cycle has four stages : planning, implementation, observation and reflection. Data collection was carried out by using a sheet of observations, test results at each cycle, document practical report at each cycle, and questionnaires. The data analysis techniques which were used in the study of this class action is descriptive quantitative.

The research result obtained on cognitive aspect of first cycle with average 82.65 increased in second cycle is 91.25. This is evidenced by the percentage of classical completeness means that KKM pass in the first cycle by 83.37% increased in the second cycle to 100%. Science process skills of students psychomotor aspect also increased. The rates value of the first cycle is 81.64 increase in cycle II become 82.81. So is the science attitudes/affective aspect of students included in good category, the scors rate is 73.6.

Based on the research result it is concluded that the implementation of practical method based *Guided Inquiry* can improve science process skill and achievement learning students of XI IPA SMA Negeri 11 Yogyakarta on senses system topic.

Keyword : Practical Method, *Guided Inquiry*, science process skill, achievement learning, senses system.