PEMBERDAYAAN ASISTEN PRAKTIKUM UNTUK PELAKSANAAN *PEER ASSISTED LEARNING* (PAL)

ABSTRAK

Pengembangan program Pemberdayaan Asisten Praktikum untuk Pelaksanaan *Peer Assisted Learning* (PAsPAL) telah dilakukan dan telah diteliti keefektifannya dalam praktikum Struktur dan Fungsi Tumbuhan ditinjau dari taksonomi baru Marzano. Penelitian ini menggunakan desain *mixed methods* yang melibatkan data kualitatif tentang kemampuan enam orang asisten praktikum dan data kuantitatif tentang capaian hasil belajar tiga kelas praktikan. Data penguasaan materi praktikum dan keterampilan lab oleh asisten dijaring secara berkala menggunakan instrumen seleksi asisten. Kinerja asisten diobservasi menggunakan lembar observasi, sedangkan kemampuan asisten dalam menilai laporan praktikum menggunakan rubrik penilaian laporan, dan ketepatan soal praktikum bertakson Marzano yang disusun asisten dikonfirmasi berdasarkan karakter masing-masing level pemrosesan dari taksonomi baru Marzano. Capaian hasil belajar praktikan dijaring melalui pretes postes, penilaian lembar kegiatan mahasiswa (LKM), laporan praktikum serta skor pra UAS dan UAS. Hasil penelitian menunjukkan hampir semua kemampuan asisten praktikum Struktur dan Fungsi Tumbuhan pada setiap level pemrosesan sudah berkembang dengan sangat baik, kecuali analisis. Sebagian besar kemampuan praktikan pada setiap level pemrosesan berkembang dengan baik. Secara keseluruhan program PAL ditanggapi positif oleh praktikan dan ditanggapi sangat positif oleh semua asisten praktikum.

Kata kunci: *Peer Assisted Learning* (PAL), Struktur dan Fungsi Tumbuhan, asisten praktikum.

PRACTICUM-ASISSTANTS EMPOWERMENT FOR *PEER ASSISTED LEARNING* (PAL) IMPLEMENTATION

ABSTRACT

The Development program of the practicum assistants empowerment for Peer Assisted Learning (PAsPAL) implementation has been done and its effectiveness in developing Plant Structure and Function practicum according to Marzano's New Taxonomy. The research used *mixed methods* design that included qualitative data about the practicum assistants competencies and quantitative data about the performance of three classes practicans. Students-assistant's practicum mastery and laboratory skills were reviewed periodically using assistants selection instruments. Assistant's performance was observed using observation sheets, assistants' ability in evaluating practicum report was evaluated using report rubrics, and the accuracy of Marzano's taxon based-practicum questions composed by the assistants was confirmed according to characters of Marzano's New Taxonomy. Practican's performance was find by pretest posttest score, student worksheet, work report and score of exam. The research finding showed that assistants ability in almost every processing level was already very well-develop, with exception on analysis. The ability of most of the practicants was already well-develop. Overall, PAsPAL program was positively welcomed by practicum participants and every students-assistant.

Keywords : *Peer Assisted Learning* (PAL), Plant Structure and Function, Practicum assistants.