**Akira Syam**

**ABSTRAK**

Penelitian pengembangan ini bertujuan untuk menghasilkan perangkat penilaian proyek pada praktikum kimia analisis terapan yang memenuhi kriteria valid, reliabel dan praktis. Kevalidan diperoleh berdasarkan penilaian para ahli/validator terhadap perangkat penilaian proyek yang dibuat, reliabilitas diukur dari nilai korelasi untuk setiap item pada perangkat penilaian proyek dan kepraktisan diukur dari pengamatan terhadap keterlaksanaan perangkat penilaian proyek dan respon dosen terhadap perangkat penilaian proyek terhadap perangkat penilaian perencanaan, pelaksanaan dan laporan mahasiswa. Proses pengembangan perangkat penilaian proyek pada praktikum kimia analisis terapan mengacu pada model pengembangan Plomp (2007) karena dipandang lebih luwes dan fleksibel pada setiap tahapannya yang terdiri dari lima tahapan yaitu (1) tahap investigasi awal, dilakukan analisis masalah berdasarkan observasi awal di lapangan dan analisis proyek praktikum yang dapat mendemonstrasikan sense of chemistry serta kemampuan menggunakan kimia untuk menyelesaikan masalah sehari-hari, (2) tahap perancangan, dilakukan pemecahan masalah sehingga menghasilkan alternatif terbaik yaitu perangkat penilaian perencanaan, penilaian pelaksanaan praktikum dan penilaian pelaporan, (3) tahap realisasi, dilakukan pembuatan dan penyusunan perangkat penilaian proyek, (4) tahap tes, evaluasi dan revisi, dilakukan validasi ahli dan uji coba penggunaan perangkat, melakukan evaluasi serta revisi terhadap perangkat penilaian proyek dan (5) tahap implementasi, dilakukan penerapan untuk mengetahui kepraktisan dan reliabilitas perangkat sehingga menghasilkan prototipe final. Hasil penelitian menunjukkan bahwa perangkat penilaian proyek pada praktikum kimia analisis terapan yang dikembangkan memenuhi kriteria valid, reliabel dan praktis berdasarkan penilaian validator dan hasil uji coba yang dilaksanakan pada mahasiswa jurusan kimia Universitas Negeri Makassar.

Kata kunci : *pengembangan, penilaian, proyek dan praktikum*

**ABSTRACT**

This research and development aimed at producing the instrument of project evaluation on applied analysis of chemistry practicum which fulfilled the criteria of valid, reliable and practical. The validity was obtained based on the evaluation from the experts toward the instrument made, reliability was measured from the correlation value for each item on the instrument of project evaluation and practicality was measured through observation on the implementation of the instrument and lecturers’ response toward the evaluation instrument of the planning, the implementation and students’ report. The process of instrument development referred to Plomp’s model because considered as more flexible and versatile at every stage which consisted of five stage, namely (1) preinvestigation stage, which coanducted problem analysis based on preliminary field observations and practicum project analysis that can demonstrate a sense of chemistry and the ability to use chemistry to solve everyday problems, (2) design stage, which conducted a problem solving which produce best alternative of the evaluation instrument of the planning, the implementation of practicum and reporting, (3) realization stage, which conducted the formulation and arrangement of performance evaluation instrument, (4) test, evaluation and revision stage, which conducted validation from the experts and tryout of the use of the instrument, also conducted evaluation as well as revision toward the instrument and (5) implementation stage, which conducted the implementation of the instrument to examine the practicality and reliability to produce the final prototype. The result of the study indicated that the instrument of project evaluation on chemistry practicum of applied analysis has fulfilled the criteria of valid, reliable and practical based on the evaluation from the experts and the result of tryout conducted to chemistry students at Universitas Negeri Makassar.

Keyword: *development, evaluation, project and practicum*