

ABSTRAK

LPIA (Lembaga Pendidikan Indonesia-Amerika) merupakan suatu lembaga kursus Bahasa Inggris yang melakukan *Placement Test* dengan proses manual. Selama ini dalam hal penentuan jenis soal untuk proses penyajian dan pengerjaan soal, masih ditentukan oleh staf akademik dan manager di LPIA berdasarkan tingkat pendidikan dan umur calon siswa. Akibatnya adalah ada beberapa siswa yang pada saat sudah melakukan proses belajar, ternyata kurang bisa mengikuti materi yang diajarkan. Dalam proses perhitungan nilai hasil *Placement Test* pun pihak LPIA melakukannya hanya dengan menghitung total nilai keseluruhan secara manual. Dengan cara manual seperti ini, terkadang hasil perhitungan tidak sesuai dikarenakan faktor *human-error*. Untuk meminimalisir kesalahan tersebut dibangunlah suatu sistem Tes Berbasis Komputer yang menunjang untuk pelaksanaan *Placement Test* menggunakan Metode Perhitungan *Simple Additive Weighting*. Dengan adanya sistem ini staf akademik merasa terbantu dan dapat meminimalisir terjadinya kesalahan karena semua hasil tes dimasukkan kedalam sistem yang kemudian diproses sehingga menghasilkan perangkaan *level* secara berurutan dengan waktu relatif singkat.

Kata kunci: *Placement Test, Computer-Based Test, Simple Additive Weighting (SAW)*

ABSTRACT

LPIA (Lembaga Pendidikan Indonesia-Amerika) is an English course institution that did a Placement Test manually. So far the process of presenting and doing the test are still determined by the academic staff and the manager at LPIA. Sort of the item is only determined by the level of education and the age of the prospective students. The result is that there are some students who at the time was doing the learning process are disable to follow the material that had taught. Not only these problems but also in the process of calculating the value of the Placement Test, LPIA still did it by manually counting the total value that successfully answered by the prospective students. With the manual method like this, sometimes the calculation was wrong due to the human-error factor. To minimize these errors, needs to built a system of Computer-Based Test that support the implementation of the Placement Test using Simple Additive Weighting method for the calculation results of the test scores and level of English. With this system, academic staff find it helpful and was able to minimize errors because all of the test results entered into the system which is then processed to produce level of English sequentially in a relatively short time.

Keywords: *Placement Test, Computer-Based Test, Simple Additive Weighting (SAW)*