

## ABSTRACT

**Hamdan Arfandy**, *An On-line Calculation System of the Obligatory Islamic Charity (Zakat)* (supervised by **Rhiza S. Sadjad** and **Nadjamuddin Harun**).

This is a software development project to build a calculation system of the obligatory Islamic charity (*zakat*) that is accessible via Internet and the cellular telephone system. The system is useful in assisting both the charity payers and the charity organizers. To show the usefulness of the application, as many as *<berapa banyak?>* users have tested the program to solve their cases of *zakat* calculations, and 2 (two) *zakat* organizers, i.e. BAZIS "*Masjid Al-Markaz al-Islami*" and BAZIS "*Rumah Zakat*", have been studied as the sources of the basic data.

The performance of the online-system is also tested by measuring the average access-time via the Internet and via the Short Messages Service (SMS) facility of the cellular telephone system. It takes more than 21 seconds for a user to get a response to an inquiry when accessing the system installed in a web-site, and it takes even more than 3 (three) times longer – more than 65 seconds – to get a response via the SMS facility of the cellular telephone system.