

## ABSTRAKSI

Universitas Sanata Dharma memiliki fasilitas e-learning yaitu [exelsa2012.usd.ac.id](http://exelsa2012.usd.ac.id) yang digunakan oleh mahasiswa dan dosen. Fasilitas tersebut menggunakan software open source e-learning bernama moodle. User interface [exelsa2012.usd.ac.id](http://exelsa2012.usd.ac.id) sulit dilihat dan dipahami saat diakses melalui perangkat mobile oleh karena itu dibutuhkan user interface khusus untuk perangkat mobile terutama berbasis android.

Tahap awal pengembangan user interface ini dilakukan dengan menemukan fitur-fitur penting yang akan dimasukkan kedalam user interface dengan cara melakukan studi literatur dari sistem-sistem yang sudah ada. Pengembangan user interface ini menggunakan model pengembangan LUCID (Logical User Centered Interaction Design).

Pengujian kegunaan dan kemudahan user interface ini menggunakan kuisisioner dari Davis (1989) setelah prototype user interface selesai dibangun. Hasilnya adalah prototype user interface ini memiliki kegunaan yang tinggi dan kemudahan yang tinggi.

Kata kunci : E-learning, Perangkat Mobile, Eclipse, PHP, LUCID

## ABSTRACT

Sanata Dharma University has an e-learning facility which is [exelsa2012.usd.ac.id](http://exelsa2012.usd.ac.id) and that facility is used by the students and lecturers. The facility uses open source software e-learning named moodle. The user interface of [exelsa2012.usd.ac.id](http://exelsa2012.usd.ac.id) becomes hard to see and understand if the users accessed it from the mobile devices. Therefore, it needs particular user interface for the mobile devices especially for to android devices.

The first step to develop this user interface is by finding the important features that will be included to the user interface by doing the literature study from the systems which existed before. The developing of the user interface uses LUCID (Logical User Centered Interaction Design) as the development model.

The usability and simplicity test for this user interface uses a questionnaire from David (1989) after the prototype of user interface has been built. The result of this test shows that the prototype of user interface has high advantages and easiness for the users.

Keywords: E-learning, Mobile Devices, Eclipse, PHP, LUCID