



UNIVERSITAS GUNADARMA

LEMBAGA PENGEMBANGAN KOMPUTERISASI

CERTIFICATE

This is to certify

MUHAMMAD HANIEF

Has successfully completed the course of

Building Mobile Commerce Solution

held on : February 15, 2010 until February 19, 2010

Jakarta, February 25, 2010

Rector



Margianti
Prof. Dr. E. S. Margianti, SE, MM.

1002010522816116

SUBJECTS:

1. Introduction to Mobile Commerce
2. Wireless Markup Language (WML) Programming
3. Wireless Application Protocol (WAP)
4. Programming with Active Server Page (ASP) and Access Database
5. Building SMS Gateway
6. SMS Banking Application Programming
7. Palm OS Simulation
8. Java to Micro Edition (J2ME) Programming for M-Commerce