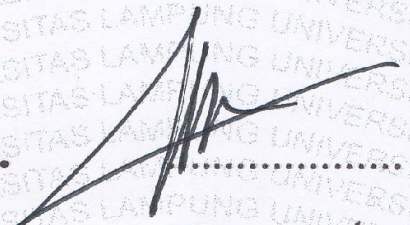


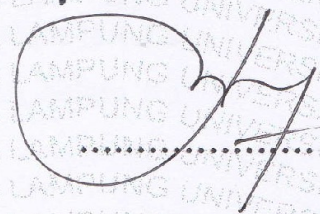
MENGESAHKAN

1. Tim Penguji

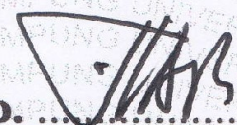
Ketua Penguji : Dr. Muh. Sarkowi, S.Si., M.Si.



Anggota : Bagus Sapto Mulyatno, M.T.



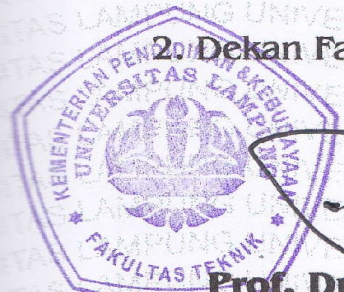
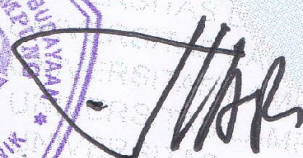
**Penguji
Bukan Pembimbing : Prof. Drs. Suharno, M.S., M.Sc., Ph.D.**



2. Dekan Fakultas Teknik

Prof. Drs. Suharno, M.S., M.Sc., Ph.D.

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Tanggal Lulus Ujian Skripsi : 19 Desember 2014