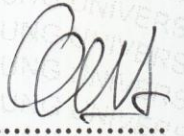


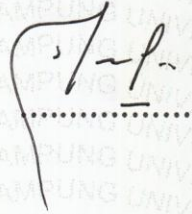
MENGESAHKAN

1. Tim Penguji

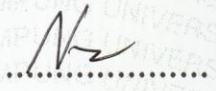
Ketua : Gatot Eko Susilo, S.T., M.Sc., Ph.D.



Sekretaris : Ir. Margaretha Welly, M.T.



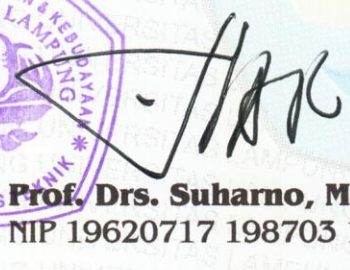
**Penguji
Bukan Pembimbing : Ir. Nur Arifaini, M.S.**



2. Dekan Fakultas Teknik



Prof. Drs. Suharno, M.Sc., Ph.D.
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Tanggal Lulus Ujian Skripsi : 27 Oktober 2014