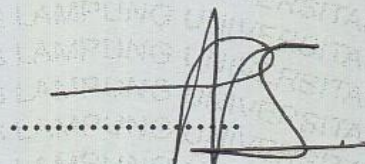


MENGESAHKAN

1. Tim Penguji

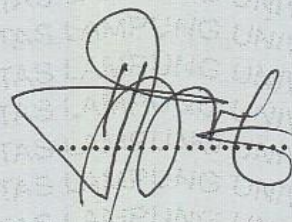
Ketua

: Zulhanif, S.T., M.T.



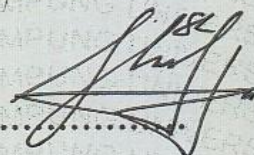
Sekretaris

: Harnowo Supriadi, S.T., M.T.



Penguji

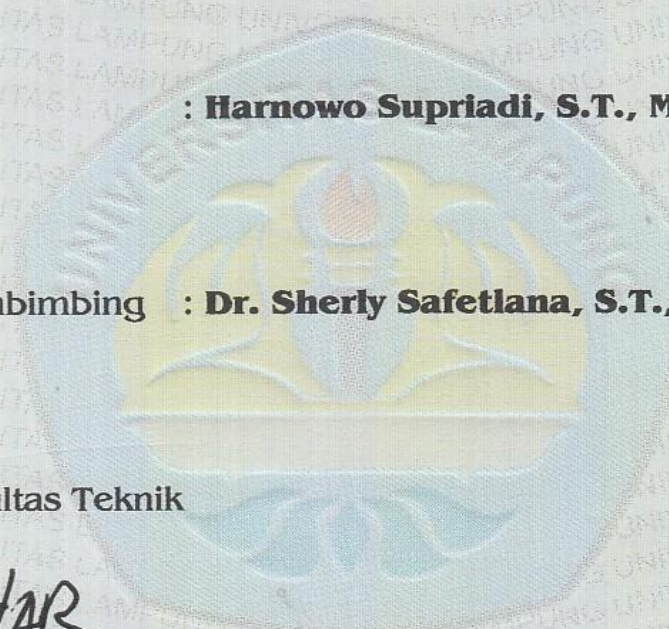
Bukan Pembimbing : Dr. Sherly Safetlana, S.T., M.Met.



2. Dekan Fakultas Teknik

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

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Tanggal Lulus Ujian Skripsi : 21 Desember 2015