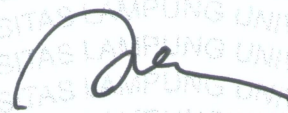


MENGESAHKAN

1. Tim Penguji

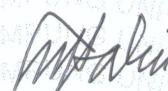
Ketua

: **M. Komarudin, S.T., M.T.**



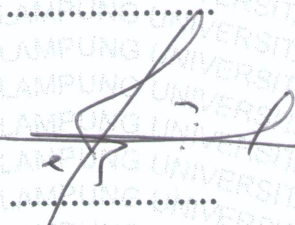
Sekretaris

: **Dr. Eng. Lukmanul Hakim, S.T., M.Sc.**

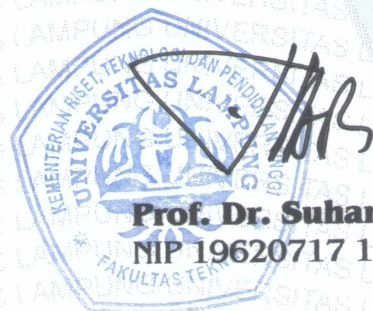


Penguji

: **Ageng Sadnowo R., S.T., M.T.**



2. Dekan Fakultas Teknik



Prof. Dr. Suharno, M.Sc.

NIP 19620717 198703 1 002

Tanggal Lulus Ujian Skripsi : 25 Juni 2015