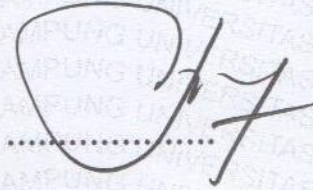


MENGESAHKAN

1. Tim Penguji

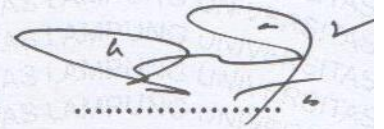
Ketua

: **Bagus Sapto Mulyatno, S.Si., M.T.**



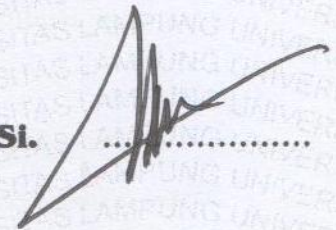
Sekretaris

: **Dr. Ordas Dewanto, S.Si., M.Si.**



Penguji

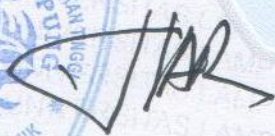
Bukan Pembimbing : **Dr. H. Muh Sarkowi, S.Si., M.Si.**



2. Dekan Fakultas Teknik

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

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Tanggal Lulus Ujian Skripsi : **22 Desember 2015**