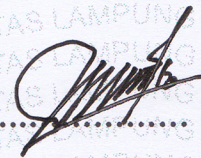


MENGESAHKAN

1. Tim Penguji

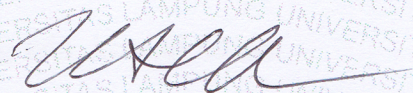
Ketua

: Ir. Noer Sudjarwanto, M.T.



Sekretaris

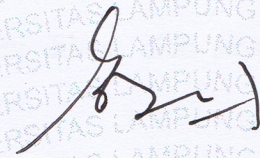
: Osea Zebua, S.T., M.T.



Penguji

Bukan Pembimbing

: Ir. Abdul Haris, M.T.



2. Dekan Fakultas Teknik



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Tanggal Lulus Ujian Skripsi : 20 April 2015