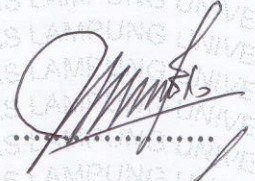


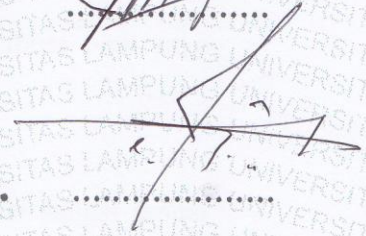
**MENGESAHKAN**

**1. Tim Penguji**

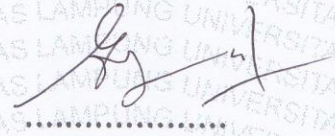
**Ketua : Ir. Noer Soedjarwanto, M.T.**



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



**Penguji  
Bukan Pembimbing : Ir. Abdul Haris, M.T.**

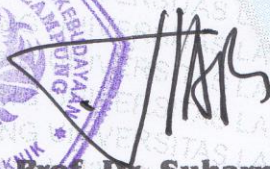


**2. Dekan Fakultas Teknik**



**Prof. Dr. Suharno, M.Sc.**

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**Tanggal Lulus Ujian Skripsi : 27 November 2014**

