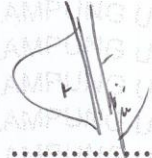


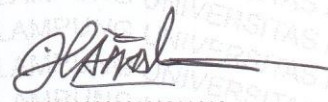
**MENGESAHKAN**

**1. Tim Penguji**

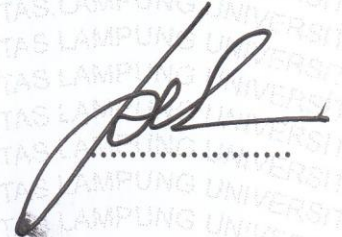
**Ketua : Dr. Rahayu Sulistyorini, S.T., M.T.** .....



**Sekretaris : Amril Ma'ruf Siregar, S.T., M.T.** .....



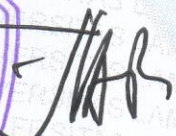
**Penguji  
Bukan Pembimbing : Ir. Priyo Pratomo, M.T.** .....



**2. Dekan Fakultas Teknik**



**Prof. DR. Suharno, M.Sc.**  
NIP 19620717 198703 1 002



**Tanggal Lulus Ujian Skripsi : 20 Oktober 2014**