

INSTITUT TEKNOLOGI BANDUNG

herewith certifies that

Muhammad Ibnu Choldun Rachmatullah

born in Sukoharjo on July 18, 1971 has successfully completed the requirements of the Study Program of

Informatics Engineering

and hereby granted the degree

SARJANA TEKNIK (ST)

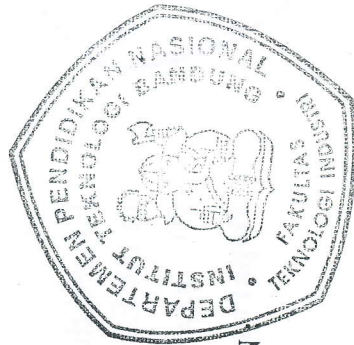
with all of the rights and responsibilities inherent therein.

Issued in Bandung on April 22, 1995

RECTOR

Signed

Prof. Wiranto Arismunandar



OFFICIAL TRANSLATION

No. : 105/09/2003

Issued in Bandung on September 16, 2003

Authorized Signature :

Name : Dr. Ir. Tati Latifah R. Mengko

Position : Dean of the Faculty of Industrial Technology

