

## ABSTRACT

### Implementation Embedded Transparent Proxy on Flash Memory

Network World still in efflorescenting. So many devices and application was needed to deploy network and optimize network function. Such as *bridge* or *switchs*, router and *proxy* serve. But , unfortunately , the fucntin from this devices still separate and it will need loot of physical space to store this devices.

Just like we know, *bridge* have function to forward data from one point to other port. Proxy itself have fuction to cache web page, filtering or firewall and Connection Sharing. Unfortunately, for general user, proxy still difficult to configure and optimize. And until this time, there are still no bridge who has been proxy function, so it will optimize performance from that bridge. And with this, the size from proxy server and bridge will decrease, since we had been embedded them into one sistem integrated and it could be portable devices. More simple than usual.

This Final Project, which use Compact Flash as secondary storage, writer had created mini linux system which has tiny size and had been embedded into Compact Flash which has function such as bridge and proxy cache, and of course the system had been optimized.