

Instalasi FreeBSD 6.2



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Periapan



- Inventaris Hardware
- Backup Data Penting
- Target Partisi
- Media Instalasi FreeBSD
 - CDROM / DVD
 - DOS partisi
 - NFS server
 - Koneksi Parallel / Serial

Instalasi Step 1



- Boot dari CD
- Pilih Negara
- Keyboard Map
- Sysinstall Main menu
 - Pilih Standard

Instalasi Step 2



- *Fdisk*
 - *C = Buat Slice*
 - *A = Gunakan Seluruh Harddisk*
 - *Q = Selesai*
- *Pilih Boot Manager*
- *Buat Partisi*
 - */ = Root*
 - *Swap*
 - */var = Log*
 - */tmp = Template*
 - */usr = Aplikasi*

Instalasi Step 3



- *Pilih Distribusi*
 - *Minimal*
- *Media Instalasi*
- *Konfigurasi*
 - *SLIP / PPP*
 - *Gateway*
 - *Inetd (finger, ftp, telnet)*
 - *SSH*
 - *FTP*
 - *NFS*
 - *Linux Compatible*

Basic Networking



- */etc/rc.conf*
 - *hostname="peGelLiNuX"*
 - *network_interfaces="xl0 xl1 lo0"*
 - *ifconfig_xl0="inet 192.168.0.1 netmask 255.255.255.0"*
 - *defaultrouter="192.168.0.1"*
- */etc/resolv.conf*
- */usr/sbin/netif (start | stop | restart)*

Basic Wireless



- *Standar IEEE 802.11 (2.4GHz / 5GHz)*
- *Konfigurasi Kernel*
 - *cd /usr/src/sys/i386/conf*
 - *cp GENERIC peGeLiNuX*
 - *config peGeLiNuX*
 - *make depend*
 - *make*
 - *make install*

Module Kernel



- *device ath # Atheros wireless network driver*
- *device ath_hal # Hardware Access Layer*
- *device ath_rate_sample*
- *device wi*
- *device wlan # 802.11 support (Required)*
- *device wlan_wep # WEP support*
- *device wlan_ccmp # AES-CCMP*
- *device wlan_tkip # TKIP*
- *device wlan_xauth # External authenticator*
- *device wlan_acl # MAC-based ACL*

Load Module



- */boot/loader.conf*
 - *wlan_wep_load="YES"*
 - *wlan_tkip_load="YES"*
 - *wlan_ccmp_load="YES"*
 - *wlan_xauth_load="YES"*
 - *wlan_acl_load="YES"*
- *Reboot*



- *Scanning essid*
 - *ifconfig ath0 up scan*
- *Konfigurasi /etc/rc.conf*
 - *ifconfig_ath0="DHCP" atau*
 - *ifconfig_ath0="ssid your_ssid_here DHCP"*
- *Restart network*
 - */etc/rc.d/netif restart*

Host Access Point



- **Host:** `ifconfig ath0 inet 192.168.0.120 netmask 255.255.255.0 ssid freebsdap mode 11g mediaopt hostap`
- **Client:** `ifconfig ath0 inet 192.168.0.130 netmask 255.255.255.0 ssid freebsdap`
- **Host:** `ifconfig ath0 inet 192.168.0.120 netmask 255.255.255.0 ssid freebsdap wepmode on weptxkey 3 wepkey 3:0x3456789012 mode 11g mediaopt hostap`
- **Client:** `fconfig ath0 inet 192.168.0.130 netmask 255.255.255.0 ssid freebsdap wepmode on weptxkey 3 wepkey 1:0x3456789012`

Ad-Hoc Mode



- **Comp 1:**

- `ifconfig ath0 inet 192.168.0.1 netmask 255.255.255.0 ssid
freebsdap mediaopt adhoc`

- **Comp 2:**

- `ifconfig ath0 inet 192.168.0.2 netmask 255.255.255.0 ssid
freebsdap mediaopt adhoc`

Finish



- DEMO
- Q & A
- Thank you so much
- Open Source ? Open Mind !
- **JUST SHARE OUR KNOWLEDGES**
- **[http: / / pegel.blogdetik.com](http://pegel.blogdetik.com)**