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LAMPIRAN 1

BIOGRAFI PENULIS

Data Pribadi

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Riwayat Pendidikan

2008-2014 : S1-Sistem Komputer Universitas Multimedia
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Pengalaman Kerja

2012 : Asisten Laboratorium Sistem Embeded 1,
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2011 : Staf IT UNDP Jakarta

FORMULIR KONSULTASI SKRIPSI



Semester : 10
 Nama Mahasiswa : Vania Utami
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 Nama Dosen Pembimbing : Bpk. Hargyo T.N

Tanggal Konsultasi	Agenda/Pokok Bahasan	Saran Perbaikan	Paraf Dosen Pembimbing
8 Maret 2013	- Revisi Bab 1 & 2	- Mencantumkan referensi dan Paraphrasing. - Menggunakan metode ES-ARP+voting - NDIS + WDM	
18 Maret 2013	- Bab 1 dan 2 - Perancangan app.	- selesaikan bab 1 dan 2. - buat app sederhana untuk modifikasi tabel AKP, kirim 5 terma plet AEI	
9 April 2013	- bab 1 dan 2 - Programming Language	- Aplikasi ARP sederhana (Form, send AKP). - Revisi bab 1 dan 2	
17 April 2013	- Software	- App buat App simpler + AKP Entry Table	
19 Jan 2014	- Penyelesaian Software	- Membuat tabel baru (mirror ARP Table) - Revisi Bab 3, 4, 5	
23 Jan 2014	- Penyelesaian laporan	- Revisi Bab 4 dan 5	
17 Feb 2014	- Revisi laporan	- Penurunan level DFD - Perjelas gambar/grafik	
29 Mar 2014	- Revisi laporan	- Perbaiki font	

Catatan: Form ini wajib dibawa pada saat konsultasi & dilampirkan di dalam skripsi

Tangerang, 1 April 2014

Dosen Pembimbing

LAMPIRAN

Potongan *source code* listening paket

```
//=====START LISTENING=====
// Print SharpPcap version
string ver = SharpPcap.Version.VersionString;
//Console.WriteLine("SharpPcap {0}, Example5.PcapFilter.cs\n", ver);

// Retrieve the device list
var devices = CaptureDeviceList.Instance;

// If no devices were found print an error
if (devices.Count < 1)
{
    Console.WriteLine("No devices were found on this machine");
    return;
}

var device = devices[0];

//Register our handler function to the 'packet arrival' event
device.OnPacketArrival +=
    new PacketArrivalEventHandler(device_OnPacketArrival);

//Open the device for capturing
int readTimeoutMilliseconds = 1000;
device.Open(DeviceMode.Promiscuous, readTimeoutMilliseconds);

// tcpdump filter to capture only TCP/IP packets
string filter = "arp";
device.Filter = filter;
Console.WriteLine();
Console.WriteLine
    ("-- Listening on {0} ...",
    device.Description);

// Start capture packets
device.Capture();
```

LAMPIRAN

Potongan *source code* cek kondisi paket

```
if (opc == "25")
{
    opc = "Voting Reply";

    //add IPs+MACs

    //add to table2
    for (int indextable = 0; indextable < 50; indextable++)
    {
        if (IPd == table2[indextable, 0])
        {
            table2[indextable, 1] = MACs;
        }
    }

    Console.WriteLine("IP {0} - MAC {1} HAS BEEN ADDED TO ARP TABLE", IPd, MACs);

    //add to default arp table
    string tambah = IPd + " " + MACs;
    System.Diagnostics.Process process = new System.Diagnostics.Process();
    System.Diagnostics.ProcessStartInfo startInfo = new System.Diagnostics.ProcessStartInfo();
    startInfo.CreateNoWindow = true;
    startInfo.UseShellExecute = false;
    //startInfo.RedirectStandardOutput = true;
    startInfo.FileName = "cmd.exe";
    startInfo.Arguments = "/C arp -s " + (tambah);
    process.StartInfo = startInfo;
    process.Start();
    process.Close();
    Console.WriteLine("IP {0} - MAC {1} HAS BEEN ADDED TO MIRROR ARP TABLE", IPd, MACs);
}

Console.WriteLine("{0}:{1},{2} {3} ({4}) to {5} from {6}",
    time.Minute, time.Second, time.Millisecond, opc, a, IPT, matching);
```

LAMPIRAN

Potongan source code pembuatan paket ARP baru

```
private PacketDotNet.Packet BuildRequest(System.Net.IPAddress destinationIP,
                                         PhysicalAddress localMac,
                                         System.Net.IPAddress localIP)
{
    // an arp packet is inside of an ethernet packet
    var ethernetPacket = new PacketDotNet.EthernetPacket(localMac,
                                                         PhysicalAddress.Parse("FF-FF-FF-FF-FF-FF"),
                                                         PacketDotNet.EthernetPacketType.Arp);
    var arpPacket = new PacketDotNet.ARPPacket(PacketDotNet.ARPOperation.OP_EXP1,
                                              PhysicalAddress.Parse("00-00-00-00-00-00"),
                                              destinationIP,
                                              localMac,
                                              localIP);

    // the arp packet is the payload of the ethernet packet
    ethernetPacket.PayloadPacket = arpPacket;

    return ethernetPacket;
}
```

