

Dokumentasi Pemasangan *Server, Switch, IP Phone* dan *Softphone* di *Client*



Gambar Pemasangan Server VoIP Briker di ruang ICT Dinas Pendidikan dan Kebudayaan Kota Pangkalpinang



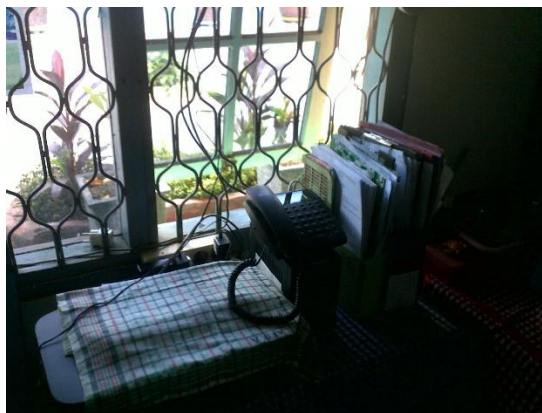
Gambar Pemasangan switch yang menghubungkan *server* dengan *client* di ruang ICT Dinas Pendidikan dan Kebudayaan Kota Pangkalpinang



Gambar Pemasangan *IP Phone* di ruang ICT Dinas Pendidikan dan Kebudayaan Kota Pangkalpinang



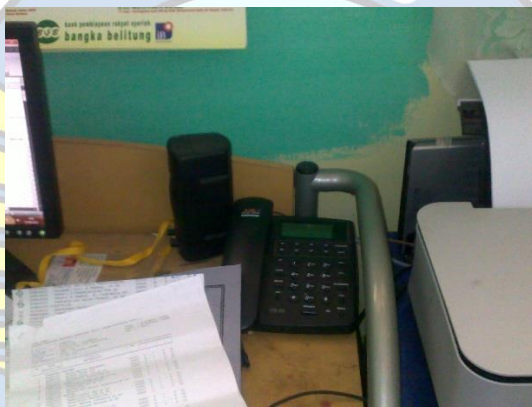
Gambar Pemasangan *IP Phone* di SD Negeri 6 Pangkalpinang



Gambar Pemasangan *IP Phone* di SD Negeri 7 Pangkalpinang



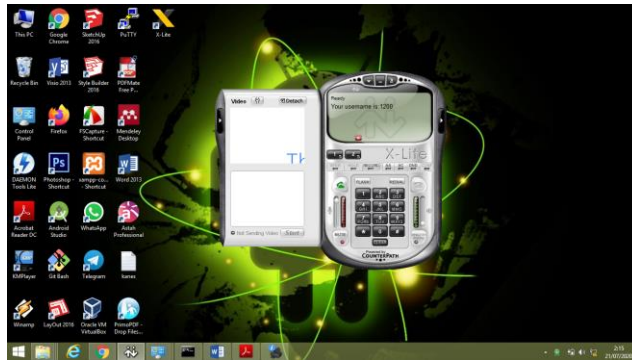
Gambar Pemasangan *IP Phone* di SD Negeri 12 Pangkalpinang



Gambar Pemasangan *IP Phone* di SD Negeri 13 Pangkalpinang



Gambar Pemasangan *Softphone X-Lite* di SMP Negeri 3 Pangkalpinang

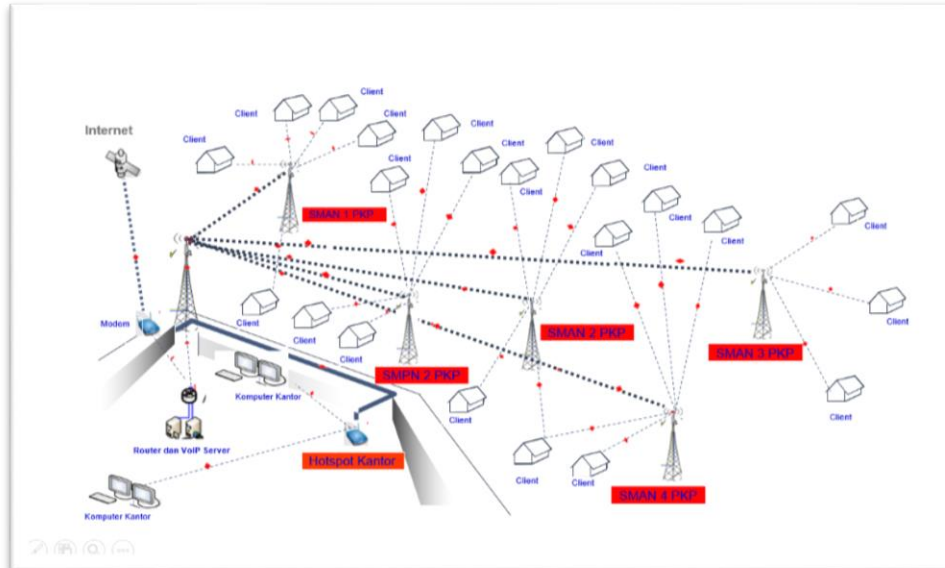


Gambar Pemasangan *Softphone X-Lite* di Bidang GTK Dinas Pendidikan dan Kebudayaan Kota Pangkalpinang



Gambar Pemasangan *Softphone Calls* Pegawai di Bidang GTK Dinas Pendidikan dan Kebudayaan Kota Pangkalpinang

Jaringan LAN Dinas Pendidikan dan Kebudayaan Kota Pangkalpinang



Gambar Jaringan LAN Dinas Pendidikan dan Kebudayaan Kota Pangkalpinang yang menghubungkan Dinas dengan Sekolah



Gambar Salah satu BTS LAN Dinas Pendidikan dan Kebudayaan Kota Pangkalpinang

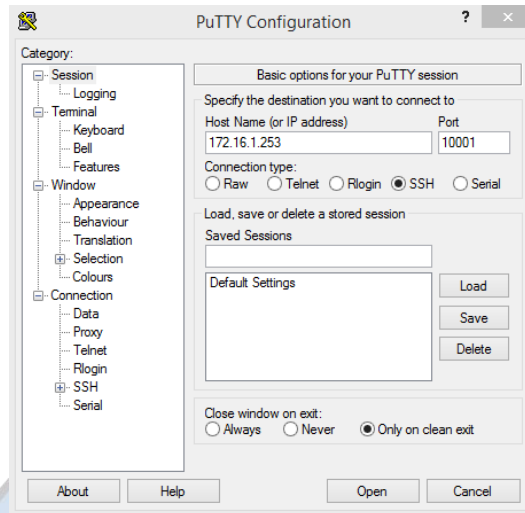


Gambar Media Koneksi nirkabel pada *client*

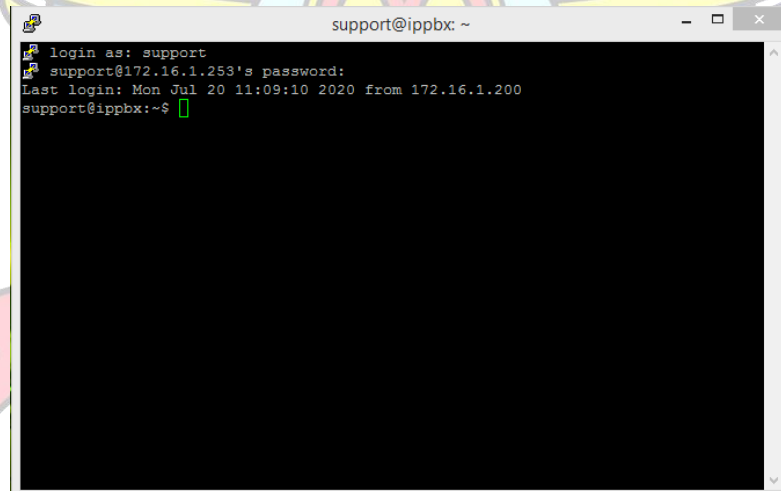


Gambar *Layout* Media Koneksi nirkabel pada *client*

Tes remote server dan Ping status dari Server ke IP Phone dan Softphone



Gambar Tes remote server melalui ssh console



Gambar remote server melalui ssh console

```
support@ipbpx: ~  
--- 172.16.1.1 ping statistics ---  
34 packets transmitted, 34 received, 0% packet loss, time 33004ms  
rtt min/avg/max/mdev = 0.823/0.852/0.939/0.029 ms  
support@ipbpx:~$ ping 172.16.1.1  
PING 172.16.1.1 (172.16.1.1) 56(84) bytes of data:  
64 bytes from 172.16.1.1: icmp_seq=1 ttl=250 time=0.846 ms  
64 bytes from 172.16.1.1: icmp_seq=2 ttl=250 time=0.861 ms  
64 bytes from 172.16.1.1: icmp_seq=3 ttl=250 time=0.842 ms  
64 bytes from 172.16.1.1: icmp_seq=4 ttl=250 time=0.848 ms  
64 bytes from 172.16.1.1: icmp_seq=5 ttl=250 time=0.857 ms  
64 bytes from 172.16.1.1: icmp_seq=6 ttl=250 time=0.845 ms  
64 bytes from 172.16.1.1: icmp_seq=7 ttl=250 time=0.856 ms  
64 bytes from 172.16.1.1: icmp_seq=8 ttl=250 time=0.852 ms  
64 bytes from 172.16.1.1: icmp_seq=9 ttl=250 time=0.849 ms  
64 bytes from 172.16.1.1: icmp_seq=10 ttl=250 time=0.853 ms  
64 bytes from 172.16.1.1: icmp_seq=11 ttl=250 time=0.851 ms  
64 bytes from 172.16.1.1: icmp_seq=12 ttl=250 time=0.858 ms  
64 bytes from 172.16.1.1: icmp_seq=13 ttl=250 time=0.850 ms  
64 bytes from 172.16.1.1: icmp_seq=14 ttl=250 time=0.850 ms  
64 bytes from 172.16.1.1: icmp_seq=15 ttl=250 time=0.848 ms  
64 bytes from 172.16.1.1: icmp_seq=16 ttl=250 time=0.859 ms  
64 bytes from 172.16.1.1: icmp_seq=17 ttl=250 time=0.851 ms  
64 bytes from 172.16.1.1: icmp_seq=18 ttl=250 time=0.848 ms
```

Gambar PING dari Server ke IP PHONE

```
support@ipbpx: ~  
--- 172.16.1.200 ping statistics ---  
37 packets transmitted, 37 received, 0% packet loss, time 36000ms  
rtt min/avg/max/mdev = 0.837/0.858/0.995/0.046 ms  
support@ipbpx:~$ ping 172.16.1.200  
PING 172.16.1.200 (172.16.1.200) 56(84) bytes of data:  
64 bytes from 172.16.1.200: icmp_seq=1 ttl=128 time=0.445 ms  
64 bytes from 172.16.1.200: icmp_seq=2 ttl=128 time=0.573 ms  
64 bytes from 172.16.1.200: icmp_seq=3 ttl=128 time=0.609 ms  
64 bytes from 172.16.1.200: icmp_seq=4 ttl=128 time=0.596 ms  
64 bytes from 172.16.1.200: icmp_seq=5 ttl=128 time=0.616 ms  
64 bytes from 172.16.1.200: icmp_seq=6 ttl=128 time=0.402 ms  
64 bytes from 172.16.1.200: icmp_seq=7 ttl=128 time=0.627 ms  
64 bytes from 172.16.1.200: icmp_seq=8 ttl=128 time=0.609 ms  
64 bytes from 172.16.1.200: icmp_seq=9 ttl=128 time=0.424 ms  
64 bytes from 172.16.1.200: icmp_seq=10 ttl=128 time=0.603 ms  
64 bytes from 172.16.1.200: icmp_seq=11 ttl=128 time=0.611 ms  
64 bytes from 172.16.1.200: icmp_seq=12 ttl=128 time=0.606 ms  
64 bytes from 172.16.1.200: icmp_seq=13 ttl=128 time=0.609 ms  
64 bytes from 172.16.1.200: icmp_seq=14 ttl=128 time=0.606 ms  
64 bytes from 172.16.1.200: icmp_seq=15 ttl=128 time=0.611 ms  
64 bytes from 172.16.1.200: icmp_seq=16 ttl=128 time=0.605 ms  
64 bytes from 172.16.1.200: icmp_seq=17 ttl=128 time=0.619 ms
```




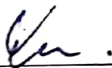


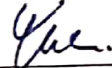



Gambar PING dari Server ke Softphone X-lite di Laptop

```
support@ipbpx: ~  
--- 172.16.1.151 ping statistics ---  
42 packets transmitted, 42 received, 0% packet loss, time 41002ms  
rtt min/avg/max/mdev = 0.363/0.549/0.713/0.094 ms  
support@ipbpx:~$ ping 172.16.1.151  
PING 172.16.1.151 (172.16.1.151) 56(84) bytes of data:  
64 bytes from 172.16.1.151: icmp_seq=1 ttl=64 time=2.82 ms  
64 bytes from 172.16.1.151: icmp_seq=2 ttl=64 time=2.61 ms  
64 bytes from 172.16.1.151: icmp_seq=3 ttl=64 time=2.52 ms  
64 bytes from 172.16.1.151: icmp_seq=4 ttl=64 time=2.53 ms  
64 bytes from 172.16.1.151: icmp_seq=5 ttl=64 time=2.48 ms  
64 bytes from 172.16.1.151: icmp_seq=6 ttl=64 time=2.36 ms  
64 bytes from 172.16.1.151: icmp_seq=7 ttl=64 time=1.25 ms  
64 bytes from 172.16.1.151: icmp_seq=8 ttl=64 time=2.43 ms  
64 bytes from 172.16.1.151: icmp_seq=9 ttl=64 time=2.33 ms  
64 bytes from 172.16.1.151: icmp_seq=10 ttl=64 time=2.43 ms  
64 bytes from 172.16.1.151: icmp_seq=11 ttl=64 time=4.54 ms  
64 bytes from 172.16.1.151: icmp_seq=12 ttl=64 time=2.31 ms  
64 bytes from 172.16.1.151: icmp_seq=13 ttl=64 time=1.35 ms  
64 bytes from 172.16.1.151: icmp_seq=14 ttl=64 time=2.39 ms  
64 bytes from 172.16.1.151: icmp_seq=15 ttl=64 time=2.64 ms  
64 bytes from 172.16.1.151: icmp_seq=16 ttl=64 time=2.36 ms  
64 bytes from 172.16.1.151: icmp_seq=17 ttl=64 time=2.40 ms  
64 bytes from 172.16.1.151: icmp_seq=18 ttl=64 time=2.40 ms
```

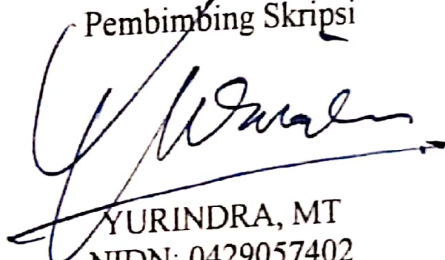
PING dari Server ke Softphone CALLS di Handphone Android

KARTU KONSULTASI

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 Dosen Pembimbing : Yurindra, MT

Pert	Tanggal	Uraian	Paraf Pembimbing
1	15-06-2020	Bab IV	
2	22-06-2020	Bab IV Revisi	
3	30-06-2020	Bimbingan BAB III	
4	3-07-2020	Bimbingan BAB III Revisi	
5	7-07-2020	Bimbingan BAB I & 2	
6	14-07-2020	Bimbingan BAB I & 2 Revisi	
7	20-07-2020	Bimbingan BAB V	
8	21-07-2020	Bimbingan keseluruhan BAB skripsi	
9	23-07-2020	Presentasi sidang	
10			

Pangkalpinang, Juli 2020
 Mengetahui,
 Pembimbing Skripsi


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Penulis

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