PAPARAN TEKNIS APPLIKASI ANBK

Hotel Harper Purwakarta Kamis s.d Sabtu, 4 s.d 6 Maret 2021

PUSAT ASESMEN DAN PEMBELAJARAN KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN



PENDIDIKAN DAN KEBUDAYAAN

Persiapan Tempat Pelaksana ANBK

• Komputer/PC Proktor

CBT

- Komputer/PC/Laptop Klien
- WebCam (Optional)
- Mengkonfigurasi jaringan local untuk klien menggunakan kabel (LAN)
- Mengkonfigurasi jaringan internet untuk PC Proktor (WIFI/LAN)

Hardware

- Aplikasi VirtualBox 6.1.18
- Aplikasi VHD versi 12.9.9.2 (FRESH)
- Aplikasi Browser Google Chrome
- Aplikasi Exambrowser Klien versi 21.0303
- Aplikasi ExambroAdmin versi 27.11.19

Prerequisites

SPESIFIKASI MNMLM KOMPUTER PROKTOR



- PC/Tower/Desktop (bukan laptop)
- Processor dengan 4 core dan frekuensi clock 1.6 GHz 64 Bit
- RAM 8 GB (Dengan VM RAM 4 GB)
- Harddisk 250 GB
- Browser Chrome versi 67 (ExambroAdmin)
- Operating System (64 bit): Windows 7(tidak di rekomendasikan)/Windows 8.1/Windows 10
- LAN CARD dua unit (satu ke jaringan internet dan satu ke Jaringan lokal)
- UPS (tahan 15 menit)
- Jumlah server mengikuti rasio 1 : 15 Cadangan 1 server



SPESIFIKASI MNMUM KOMPUTER KLIEN

- PC, Laptop
- Monitor minimal 12 inch
- Processor Single core dengan frekuensi clock 400 MHz
- RAM minimal 512 MB
- Resolusi Layar Minimal 1024 x 720 pixel
- WebCam (Optional)
- Operating System: Windows 7/Windows 8.1/Windows 10/Linux/MacOs
- Hardisk minimal tersedia 10 GB (free space)
- LAN Card
- Jumlah *client* mengikuti rasio 1 : 2 (1 *client* untuk 2 peserta)
- cadangan minimal 10%.

TOPOLOGI APLIKASI ANBK





MEKANISME MENJALANKAN APLIKASI ANBK



Flow Chart Menjalankan Applikasi ANBK

СВТ

Flow Chart Menjalankan Applikasi ANBK

СВТ



MEMBUAT VIRTUAL MACHINE VIRTUAL BOX

3 Oracle VM VirtualBox Manager File Machine Help 11Y Tools New Export Welcome to VirtualBox! The left part of application window contains global tools and lists all virtual machines The actual works of the second second second second second and a second se second sec Create Virtual Machine You can press the F1 key to get instant help, or visit <u>www.virtualbox.org</u> for more Ma Oracle VM VirtualBox Manager Eile Machine Help 7 🔾 <u>N</u>ew... Ctrl+N 🚺 🕂 🗛 Ctrl+A Evport Welcome to VirtualBox! The left part of application window contains global tools and lists all virtual machines and virtual machine groups on your computer. You can import, add and create new VMs using corresponding toolbar buttons. You can popup a tools of currently selected element using corresponding element button. You can press the F1 key to get instant help, or visit www.virtualbox.org for more information and latest nev

2 \times

Cancel

 \mathcal{S}

Name and operating system

Please choose a descriptive name and destination folder for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.

Expert Mode

Name:	SERVER_01
achine Folder:	C:\Users\NASRULLAH\VirtualBox VMs
_	

Type: Microsoft Windows

Version: Windows 2012 (64-bit)



Next

← Create Virtual Machine

Memory size

Select the amount of memory (RAM) in megabytes to be allocated to the virtual machine.

The recommended memory size is 2048 MB.



Next

Cancel

 \times

$ \longrightarrow $	SERVER_01 - Hard Disk Selector	· · ×	
? ×	Medium		
← Create Virtual Machine			
Hard disk	Add Refresh		
If you wish you can add a virtual hard disk to the new machine. You can either create a new hard disk file or select one from the list or from another location using the folder icon. If you need a more complex storage set-up you can skip this step and make the changes to the machine settings once the machine is created. The recommended size of the hard disk is 50.00 GB .	Not Attached VHD UNBK2.vhd 58.59 GB 21.85 GB		
<u>Do not add a virtual hard disk</u> <u>Create a virtual bard disk</u>			
Use an existing virtual hard disk file		4	
	Search By Name 🔻		
Create Virtual Machine Create Virtual Machine Create Virtual Machine Hard disk Greate a new hard disk file or select one fr using the folder icon. If you need a more complex storage set-u changes to the machine settings once the The recommended size of the hard disk is O on tadd a virtual hard disk is O on tadd a virtual hard disk is O greate a virtual hard disk now Gues an existing virtual hard disk file UNBK2.vhd (Normal, 58.59 GB)	? X to the new machine. You can either om the list or from another location p you can skip this step and make the machine is created. 50.00 GB.	Choose Car SERVER_01 - Settings ServerR_01 - Settings ServerR_01 - Settings ServerR_01 - Settings ServerR_01 - Settings ServerR_01 - Settings ServerR_01 - Settings System System System Display Storage Storage Audio Network Serial Ports Shared Folders Shared Folders Storage User Interface	? ×
	Create Cancel		OK Can



ExamBrowser Admin

eXamBrowser Admin		10 P T	- B
1 112 2 11 M			00:00:33.004
Status unknown		24-Feb-21 23:42:55	Read
Start virtual machine § ACPI Shutdown virtual machine	Set virtual machine name	X Stanter tog (in CBI Sync (in Reload CBI Sync) Statter tog the company	
📾 🚥 🗲 📖 💭			









CBTSYNC ADMIN

Dashboard

STANDBY

Akses ke Server Pusat Ditutup SN sudah terdaftar di server pusat



Dashboard

STANDBY

ID Server / SN tidak sesuai dengan data server pusat

ID SERVER : K35350001-A55K

Dashboard

OFFLINE

CBTSync tidak terkoneksi ke server pusat



Dashboard

AKTIF

CBTSync siap digunakan

ID SERVER : кз5350001-А55к



Dashboard • Download Data





AKTIF

Dashboard • Daftar Peserta

🎧 Beranda

Daftar Peserta

Status Download					
🛅 Daftar Peserta	No	User name	Nama	Kelompok	NIK
🗹 Status Test		×	×		×
Ω Status Peserta	238424	3353500010059	Peserta 59	1, 1	3353500010059
	238425	3353500010060	Peserta 60	1, 1	3353500010060
📙 Kelompok Tes	238426	3353500010001	Peserta 01	1, 1	3353500010001
🛅 Log Siswa	238427	3353500010002	Peserta 02	1, 1	3353500010002
() Reset Login Peserta	238428	3353500010003	Peserta 03	1, 1	3353500010003
Wester Eoginn eserta	238429	3353500010004	Peserta 04	1, 1	3353500010004
🖶 Laporan	238430	3353500010005	Peserta 05	1, 1	3353500010005
🔅 Back up & Hapus	238431	3353500010006	Peserta 06	1, 1	3353500010006
A Foto Desorts Tos	238432	3353500010007	Peserta 07	1, 1	3353500010007
Sor Folo Peseria Tes	238433	3353500010008	Peserta 08	1, 1	3353500010008
🚽 Log Out	238434	3353500010009	Peserta 09	1, 1	3353500010009
Transfer Response	238435	3353500010010	Peserta 10	1, 1	3353500010010
	238436	3353500010011	Peserta 11	1, 1	3353500010011
	238437	3353500010012	Peserta 12	1, 1	3353500010012
	238438	3353500010013	Peserta 13	1, 1	3353500010013
	238439	3353500010014	Peserta 14	1, 1	3353500010014
	238440	3353500010015	Peserta 15	1, 1	3353500010015
	238441	3353500010016	Peserta 16	1, 1	3353500010016
	238442	3353500010017	Peserta 17	1, 1	3353500010017
	238443	3353500010018	Peserta 18	1, 1	3353500010018
	238444	3353500010019	Peserta 19	1, 1	3353500010019
	238445	3353500010020	Peserta 20	1, 1	3353500010020
	238446	3353500010021	Peserta 21	1, 1	3353500010021



AKTIF

Dashboard • Status Tes

🔂 Beranda	Status Te	S	
 Status Download Daftar Peserta 	Status:	BELUM MULAI	
🗹 Status Test	Daftar Tes: Kelompok:	UCAKM2021	~
Status Peserta Kelompok Tes	Token:	DNFLUN - Updated : 10:35:43 - interval : 15 menit.	
🛅 Log Siswa	00:00:25		
C Reset Login Peserta			
🕒 Laporan			
🍪 Foto Peserta Tes			
Cog Out Transfer Response			





Dashboard • Status Peserta

Beranda Status Download	Status Pes	serta						Jumlah Peserta 60 _{peserta login.}
Daftar Peserta	Pilih Peserta Uploa	ad Hasil					-	
🗹 Status Test	Is Checked	Status Upload Belum Terupload	Username 3353500010057	Nama Peserta Peserta 57	Subtes Terakhir NUMUAAU	Aktifitas Terakhir 03/02/2021 10:57 AM	Sisa Waktu 5228	Status Tes sedang dikerjakan
<u>)</u> Status Peserta		Belum Terupload	3353500010058	Peserta 58	NUMUAAU	03/02/2021 11:23 AM	5345	Tes Selesai
🛅 Log Siswa								
C Reset Login Peserta								
🔒 Laporan								
🔯 Back up & Hapus								
🔯 Foto Peserta Tes								
🗧 Log Out								
Transfer Response								

AKTIF



Kelompok Tes

Jumlah Peserta 60 _{peserta login.}

Status Download					
🛅 Daftar Peserta	▲ Save changes	Cancel changes Ass	ign All Reset All Ur	Assign	
	Aktif	Kode Tes	User Name	Nama Peserta	Kelompok
Status Test	is true®is false®			▲	
🧕 Status Peserta		×	×		
Relompok Tes		UCAKM2021	3353500010059	Peserta 59	1
-2		UCAKM2021	3353500010060	Peserta 60	1
🛅 Log Siswa		UCAKM2021	3353500010001	Peserta 01	1
() Reset Login Peserta		UCAKM2021	3353500010002	Peserta 02	1
🖶 Laporan		UCAKM2021	3353500010003	Peserta 03	1
		UCAKM2021	3353500010004	Peserta 04	1
🔅 Back up & Hapus		UCAKM2021	3353500010005	Peserta 05	1
🔅 Foto Peserta Tes		UCAKM2021	3353500010006	Peserta 06	1
Log Out		UCAKM2021	3353500010007	Peserta 07	1
		UCAKM2021	3353500010008	Peserta 08	1
Transfer Response		UCAKM2021	3353500010009	Peserta 09	1
		UCAKM2021	3353500010010	Peserta 10	1
		UCAKM2021	3353500010011	Peserta 11	1
		UCAKM2021	3353500010012	Peserta 12	1
		UCAKM2021	3353500010013	Peserta 13	1
		UCAKM2021	3353500010014	Peserta 14	1
		UCAKM2021	3353500010015	Peserta 15	1
		UCAKM2021	3353500010016	Peserta 16	1
		UCAKM2021	3353500010017	Peserta 17	1
		UCAKM2021	3353500010018	Peserta 18	1
	4 4 1 2 3				1 - 20 of 60 items



Dashboard • Password Approval Jumlah Peserta Password Approval 🎧 Beranda 60 peserta login. Status Download Password 🛅 Daftar Peserta Submit 🗹 Status Test 🧕 Status Peserta 🧕 Kelompok Tes 🛅 Log Siswa 💭 Reset Login Peserta 🖶 Laporan 🔅 Back up & Hapus 🔅 Foto Peserta Tes 🚽 Log Out Transfer Response



Dashboard • Reset Peserta

G Status Deveload	Reset Login Peserta	Jumlah Peserta 60 _{peserta login.}
Daftar Peserta	Reset Peserta	
🗹 Status Test	■ Nama User Nama Peserta	
🧕 Status Peserta		
<u>A</u> Kelompok Tes	3353500010057 Peserta 57	
🕒 Log Siswa		1 - 1 of 1 items
💭 Reset Login Peserta		
🖶 Laporan		
👶 Back up & Hapus		
🚯 Foto Peserta Tes		
🔚 Log Out		
🔊 Transfer Response		





Dashboard • Laporan Jumlah Peserta 🎧 Beranda Laporan 60 peserta login. Status Download Server Lokal Id 🛅 Daftar Peserta K35350001-A55K 🛛 Status Test Kode Tes UCAKM2021 🧕 Status Peserta Nama Sekolah PERCOBAAN Jumlah Peserta Tercatat 🛅 Log Siswa 60 💭 Reset Login Peserta Jumlah Peserta yang Menyelesaikan 2 🖶 Laporan Jumlah Peserta Sebenarnya 💮 Back up & Hapus 2 Tanggal 🔅 Foto Peserta Tes 3/2/2021 🗧 Log Out Keterangan Data Laporan - K35350001-A55K - UCAKM2021 - 3/2/2021 Transfer Response Nama Proktor Nama Pengawas

Destroerd * Backup dan Hapus Destroerd * Backup dan Hapus Image: Comparison of the Sackup dan Hapus <td< th=""><th></th><th></th><th></th></td<>			
Dathbard + Backup dan Hapus Image: Status Download Image: Status D	BUSMENJAR CBT Application		AKTIF
Image: Series Constraints Image: Seri	Dashboard • Backup dan Ha	pus	
	 Beranda Status Download Daftar Peserta Status Test Status Peserta Status Peserta Kelompok Tes Log Siswa Reset Login Peserta Laporan Back up & Hapus Foto Peserta Tes Log Out Transfer Response 	<text></text>	





Dashboard • Transfer Response

🞧 Beranda	Transfer Response
Status Download	
🖺 Daftar Peserta	• Pengaturan
🖉 Status Test	Folder Dump: UserName:
<u>,</u> Status Peserta	D:VMLog\Dump1R UserName Password: • Server IP:
<u>,</u> Kelompok Tes	Password
🖺 Log Siswa	Simpan
🔇 Reset Login Peserta	
🖨 Laporan	🕈 Upload Transfer Response
🔅 Back up & Hapus	Source file yang akan di upload:
🔅 Foto Peserta Tes	Select files
🗧 Log Out	Token:
Transfer Response	
	Import Response
	File Name
	No items to display C

Membuat Sharing Folder :

- 1. Cloning VHD yang sudah selesai tersinkronisasi.
- 2. Buat Folder baru diluar host (flasdisk/hdd external).
- 3. Setelah folder terbuat, kita lakukan *Share Folder.*
- 4. Klik kanan pada folder > *Properties* > pilih tab *Sharing* > klik tombol *Share*
- 5. Pada pilihan type *Share* pilih *Everyone* kemudian klik tombol Add.

Network access		
Choose people to share with		
Type a name and then click Add, or click the	arrow to find someone.	
Everyone	~	Add
Name	Permission I	.evel
8 NASRULLAH	Read/Write	•
I'm having trouble sharing		
	(Share

 \times

dumpTR Properties General Sharing Customize Network File and Folder Sharing dumpTR Not Shared Network Path: Not Shared Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Password Protection
General Sharing Customize Network File and Folder Sharing dumpTR Not Shared Network Path: Not Shared Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Image: Advanced Sharing Password Protection
Network File and Folder Sharing dumpTR Not Shared Network Path: Not Shared Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Password Protection
dumpTR Not Shared Network Path: Not Shared Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Image: Advanced Sharing Password Protection
Network Path: Not Shared Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Advanced Sharing
Share Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Password Protection
Advanced Sharing Set custom permissions, create multiple shares, and set other advanced sharing options. Advanced Sharing Password Protection
Password Protection
Password Protection
People must have a user account and password for this computer to access shared folders. To change this setting, use the <u>Network and Sharing Center</u> .
OK Cancel Apply

	 6. Pada <i>Permission</i> 7. Jika sudah klik to pilih <i>Yes.</i> 8. Sharing folder se 	<i>Level</i> pilih R Imbol <i>Share</i> Iesai	l ead/W z, jika	Vri	<i>ite.</i> uncul notifikasi
~	access		×		
	Choose people to share with Type a name and then click Add, or click the arrow to find someo	ne.			
	Name Received a second	✓ Add Permission Level Read/Write ▼ Read/write ▼		÷	Network access Your folder is shared. You can email someone links to these shared items, or copy and paste the links into another app.
	I'm having trouble sharing	Share	٦		Individual Items Individual Items JumpTR \\NASRULLAH-PC\dumpTR
			0		Show me all the network shares on this computer.

	dumpTR Properties	\times	
	General Sharing Customize		
	Network File and Folder Sharing		
	dumpTR Shared		
	Network Path: \\NASRULLAH-PC\dumpTR		
	Share		
	Advanced Sharing		
	advanced sharing options.		
	Advanced Sharing		
	Password Protection People must have a user account and password for this computer to access shared folders.		
×	To change this setting, use the <u>Network and Sharing Center</u> .		
	OK Casel And		
	OK Cancer App	ઝ	
app.			
Dor 📐			

Setting Transfer Respons

- 1. Klik menu Transfer Respons pada CBTSync Admin.
- 2. Terdapat 4 text box yang harus di-isi.
 - Folder Dump : menentukan lokasi penyimpanan file dump (Folder yang sudah di share) isi dengan format \\192.168.0.xxx\NamaFolder
 - Username : nama User PC (Contoh : PUSEMNJAR)
 - Server IP : IP Local yang terhubung dengan Client (192.168.0.xxx)
 - Password : password PC Server
- 3. Jika sudah semua klik Simpan.
- 4. Terdapat file TESME.txt yang menandakan pengaturan TransferRespons berhasil.

USMENJAR ST Application		AKTIF
board • Transfer Respons	se	
Beranda Status Download Daftar Peserta Status Test Status Peserta Kelompok Tes Log Siswa	Transfer Response Pengaturan Folder Dump: V192.168.0.199/dumpTR Password: Simpon	✓ UserName:●
Reset Login Peserta		
Back up & Hapus Foto Peserta Tes Log Out Transfer Response	Optiodal Transiter Response Source file yang akan di upload: Select files Token:	Ň
	File Name N X	No items to display C

- Pastikan flasdisk tidak dicabut/tercabut selama tes berjalan.
- 6. Selama tes berlangsung di dalam Folder tadi terdapat File dump.
- 7. File dump akan terbuat tergantung banyaknya siswa yang mengerjakan ujian.

> USB Drive (E:) > dumpTR			~	Ū
Name	Date modified	Туре	Size	
TESME.txt	3/2/2021 10:29 AM	Text Document	1 KI	В

> USB Drive (E:) > dumpTR			5 V
Name	Date modified	Туре	Size
5314CBAT3353500010057CBATUCAKM20	3/2/2021 10:49 AM	Text Document	3 KB
TESME.txt	3/2/2021 10:29 AM	Text Document	1 KB





Selamat datang,

Silahkan login dengan username dan password yang telah anda miliki.

0	Username	
0	Password	0
	Login	

EXAMBROWSER KLIEN

2020, Kementerian Pendidikan D

Name	Date modified	Туре	Size
eb000.dat	3/16/2016 9:25 PM	DAT File	1 KB
eb001.dat	1/28/2020 8:20 AM	DAT File	1 KB
🕑 ExamBrowser.exe	10/31/2018 8:29 PM	Application	1,108 KB
ExamBrowser.exe.Config	1/28/2020 8:20 AM	Configuration Sou	3 KB
ExamBrowser.vshost.exe.Config	4/8/2017 3:01 PM	Configuration Sou	3 KB
log.txt	1/28/2020 8:25 AM	Text Document	3 KB

🔏 Settings		×
Password	12345	
Browser File Name	C:\Users\NASRULLAH\AppData\Local\Chromium\Applicatior	
Browser Arguments	incognito +kioskallow-running-insecure-contentdisable-exte	
Initial url	https://192.168.0.200/unbk	
Unlock Keys	LControlKey,C,B	
Г		
	Save Cancel	



Persiapan Klien (ExamBrowser)

- Pastikan ada web browser chrome versi 67 keatas.
- Menyesuaikan browser chrome dengan bit OS komputer klien
- Menstatikkan IP klien dengan segmen 0
- Pastikan klien tidak terkoneksi ke internet
- Menjalankan ExamBrowser

	PUSMENJAR
!!!	

Selamat datang,

Silahkan login dengan username dan password yang telah anda miliki.		
0	Username	
Θ	Password	0
	Login	
:	User name wajib di Password wajib dii:	si

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RETURNED CHEMIN

Ditas to liver: medica at lean data susception line bards and, you Filine insuk. Hiles frank Koupini, time Heipeleiten, der Ursen, Kopine erste och obtasse. Under susgeigter ein lane der briefe an susgeich erig besite set

Watto yang dilendine setek kelika mengeroli osli ahlala ti anali. Nao valita kelito ana penete mendela tukhto elema park osli tukhta, terihgat hadilanat, setek yaka mengalikiti tehtus osli mente. Yarona imanisi aka familiara be halaman keditanati ito antik aningipikas to yang orkenaziji denga tukhta pengerjum. W menti, akh veliti tunggi nelima 1 menti yang tukhta kerihigan venana tukhti aning hala terimana mende mengali hasi.

Peserta 57					
Jenis Kelamin Laki-laki					
Mata Ujian Contoh Pen (RESPONDE	gerjaan Soal N N KELAS 10 D	lumbera: AN 11	si, NUMBERAS	SI - KELAS 1	0
Nama Peserta masukan na	ma				
Tanggal Lahir Hari 🔻	Bulan	•	Tahun		
Token Masukkan ti	oken disini				

CBT Application		_
	Konfirmasi Tes	
	Nama Tes Uji Coba Instrumen Akademik SMA tahun 2021	
	Status Tes Tes Baru	
	Waktu Tes 02/03/2021 10.48	
	Alokasi Waktu Tes 10 Menit	
	MULAI	

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 And the formal latitude of anti-of-presentation. Next String formers models with a strengthing applying one for agreement of the strength of the	and a second sec	
The first part works worksy worksy dependent over the		
PUSMENJAR		

amu diminta memasangkan setiap pokok soal di lajur kiri dengan jawaban di lajur kanan de e bagian jawaban di lajur kanan. Ketika mengeklik pokok soal akan muncul garis, ka





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TERIMA KASIH