BINUS University

Academic Career:			Class Program:		
Undergraduate / ~~Master~~ / ~~Doctoral~~ *)			*~~International/Regular/Smart Program/Global Class~~*)*		
☑ **Mid Exam**	☐ **Final Exam**		**Term : ~~Odd~~/Even/~~Short~~ *)**		
☐ **Short Term Exam**	☐ **Others Exam :** _____				
☑ **Kemanggisan**	☑ **Alam Sutera**	☐ **Bekasi**	**Academic Year :**		
☐ **Senayan**	☐ **Bandung**	☐ **Malang**	**2019 / 2020**		

Faculty / Dept.	:	School of Computer Science	Deadline	Day / Date	:	Thursday / 16 April 2020
				Time	:	17:00
Code - Course	:	COMP6579 - Big Data Processing	Class		:	
Lecturer	:	Team	Exam Type		:	Online

*) *Strikethrough the unnecessary items*

The penalty for CHEATING is DROP OUT!!!

I. Essay (100%)

As a Big Data Engineer, you have a task to create a Big Data system for store and analysis data about Corona Virus outbreak. **Explain** your plan about Big Data system that you will create but you should think about some aspects:

1. What are the purpose and analysis that your big data system will handle!
2. 4 V's Big Data aspect based on your system create!
3. Ingestion Layer and what data source type that your system would be handled? And why your system will handle that data!
4. You should choose 1 of many NoSQL technology that you implement to the system and give the **reason** why you choose that technology!
5. You should choose 1 deployment model your big data system and **explain** why you choose that deployment model!

-- Good Luck --

Verified by,
Fidelson Tanzil (D5542) and sent to Program on Mar 30, 2020

KETENTUAN PENGUMPULAN BERKAS JAWABAN UTS

Mahasiswa <u>wajib</u> mematuhi ketentuan pengumpulan berkas jawaban UTS berikut ini.

1. Pengumpulan (*submit*) jawaban ujian **tidak melalui BINUSMAYA**, melainkan melalui **http://exam.apps.binus.ac.id.** Akses menggunakan *username* dan *password login* BINUSMAYA.

2. Pastikan *file extension* dan *size file* sesuai ketentuan. File extension yang diperbolehkan adalah 'txt', 'pdf', 'ppt', 'xls', 'doc', 'pptx', 'xlsx', 'docx', 'rar', 'zip', 'jpg', 'jpeg', 'png', 'wav', 'mp3', 'mp4', 'avi', '3gp', 'mkv', 'mov', dan 'flv'. Maksimum *size file* yang diperbolehkan adalah 20 MB.

3. Jika *file* jawaban ujian akan dikumpulkan (*submit*) Mahasiswa berukuran lebih besar dari 20 MB (>20 MB), maka Mahasiswa harus melakukan:
   a. Menyimpan *file* jawaban ujian pada *Cloud Storage*, seperti *Google Drive, Dropbox, OneDrive*, dan yang lainnya.
   b. Membagikan tautan (*share link*) file jawaban ujian dan menyalin tautan (*link*) ke dalam Microsoft Word.
   c. Mengunggah (*upload*) file Micrososft Word yang telah berisi tautan file jawaban ujian pada **http://exam.apps.binus.ac.id**.

STUDENT'S GUIDELINES FOR SUBMITTING MID EXAM ANSWER FILE

Students are obliged to follow the following guidelines for submitting mid exam answer file:

1. The answer file is **not to be submitted in BINUSMAYA**, but through the following link: **http://exam.apps.binus.ac.id.** Students can log in by using the username and password as in BINUSMAYA.

2. Please make sure to submit the answer file in one of the following accepted extensions: 'txt', 'pdf', 'ppt', 'xls', 'doc', 'pptx', 'xlsx', 'docx', 'rar', 'zip', 'jpg', 'jpeg', 'png', 'wav', 'mp3', 'mp4', 'avi', '3gp', 'mkv', 'mov', or 'flv'. The file size should not exceed 20 MB.

3. If the answer file size exceeds 20 MB, the student should perform the following procedures:
   a. Save the answer file in Cloud Storage such as Google Drive, Dropbox, OneDrive, etc.
   b. Copy the file link and paste it on a blank Microsoft Word document.
   c. Upload the Microsoft Word document containing the file link through **http://exam.apps.binus.ac.id.**