



SERTIFIKAT PELATIHAN

01123956151-95/DTS/BLSDM.KOMINFO/10/2021

Badan Penelitian dan Pengembangan Sumber Daya Manusia
Kementerian Komunikasi dan Informatika Republik Indonesia,
menyatakan bahwa :

Widianto Eka saputro

Telah Mengikuti Pelatihan **CISCO – Big Data using Python**
Program Fresh Graduate Academy Digital Talent Scholarship
Sebagai Peserta mulai tanggal 19 Juli 2021 – 09 September 2021
yang meliputi 160 Jam Pelatihan

Jakarta, 01 Oktober 2021

Kepala Badan Penelitian dan Pengembangan Sumber Daya Manusia Kementerian
Komunikasi dan Informatika



Dr. Hary Budiarto, M.Kom.



Fresh Graduate Academy Digital Talent Scholarship 2021
CISCO – Big Data using Python sejumlah 160 JP

Topik 1 Python – Introduction to Python

Topik 2 Python – Introducing Cloud Architecting

**Topik 3 Python – Boolean Values, Conditional, Execution,
Loops, Lists and List Processing,
Logical and Bitwise Operations**

**Topik 4 Python – Functions, Tuples, Dictionaries, and Data
Processing**

Topik 5 Python – Modules, Packages, PIP

Topik 6 Python – Exceptions, Strings, and List Methods

Topik 7 Python – The Object-oriented Programming

Topik 1 Big Data – Data and the Internet of Things

Topik 2 Big Data – Fundamentals of Data Analysis

Topik 3 Big Data – Data Analysis

Topik 4 Big Data – Advanced Analytics & Machine Learning

Topik 5 Big Data – Storytelling with Data

Topik 6 Big Data – Introduction to Data Center & Data Engineering

