



SERTIFIKAT PROFISIENSI PENGETAHUAN

diberikan kepada

12220043 - Rifqi Achyar

dengan predikat

PROFICIENT

dalam ujian di bidang

Database Systems

yang diselenggarakan oleh

IKATAN AHLI INFORMATIKA INDONESIA

16 July 2023

A blue ink signature of Hariyono Kasiman, followed by his name in bold black text.

Hariyono Kasiman

KETUA UMUM IAI

PREINEXUS™
SHARING • COLLABORATION • NETWORK

POKOK BAHASAN YANG DIUJIKAN

D a t a b a s e S y s t e m s

- Introduction to Database System
- Introduction to The Relational Model
 - Introduction to SQL
 - Intermediate SQL
 - Advanced SQL
- Formal Relational Query Languages
- Database Design & The E-R Model
 - Relational Database Design
- Application Design & Development
 - Storage & File Structure
 - Indexing & Hashing
 - Query Processing
 - Query Optimization
 - Transactions
 - Concurrency Control
 - Recovery System
- Database System Architectures
 - Parallel Databases
 - Distributed Databases
 - Data Warehousing & Mining
 - Information Retrieval
 - Object Based Databases
 - XML
- Advanced Application Development
- Spatial & Temporal Data & Mobility
- Advanced Transaction Processing