MKN 2013: INTERNET BENDA / *INTERNET OF THINGS (IOT)*

SESI PENGAJIAN: SEMESTER 1 (2022/2023)

KUMPULAN KULIAH MKN 2013: A

(*MINI QUIZ*)

COMPARISON MATRIX AMONG HTTP, MQTT, CoAP & AMQP

NAMA	NO MATRIC	NO. HP	PROGRAM
MOHD IZZUL IKHWAN BIN MOHD YUSOF	D20201095609	0197818481	AT20 - IJAZAH SARJANA MUDA PENDIDIKAN (TEKNOLOGI MAKLUMAT)

NAMA PENSYARAH: DR. OKTA NURIKA

Comparison matrix among HTTP, MQTT, CoAP, and AMQP.

	Stateful / Stateless	Applicable Sensors	Strength	Weakness
HTTP	Stateless	Process control	It establishes secured connection between client and server.	Higher power needed.
MQTT	Stateful	IoT messaging	It guarantees the reliability of packet transmission.	When the network environment is poor, it will retransmit the packet; This causes more network congestion.
CoAP	Stateless	Utility field area network	The mechanism is easier and tolerate at packet loss.	Data transmission is not reliable.
AMQP	Both	Business messaging	Support many different messaging pattern.	Has a bigger message, which means slower transmission speeds.