

MATERI DAN KRITERIA <i>Materials and Criteria</i>	
PROYEK <i>Project</i>	
JURUSAN COMPUTER SCIENCE <i>Computer Science Department</i>	
BERLAKU MULAI SEMESTER GANJIL 2024/2025 <i>Valid from Odd Semester Year 2024/2025</i>	Revisi : 1 <i>Revision</i>

COMP7142 – Popular Network Technology

Kriteria <i>Criteria</i>		Nilai <i>Score</i>
<ul style="list-style-type: none"> • Provision Infrastructure with Terraform <ul style="list-style-type: none"> ○ Defining Terraform Configuration Files ○ Creating Virtual Network and Subnets ○ Deploying High Availability AKS Cluster ○ Ensuring AKS Spans Across Availability Zones 	5 5 10 10	30
<ul style="list-style-type: none"> • Containerize the Application <ul style="list-style-type: none"> ○ Defining Docker Configuration Files 	20	20
<ul style="list-style-type: none"> • Create an Azure Container Registry (ACR) <ul style="list-style-type: none"> ○ Setting Up ACR with Correct Naming Format ○ Pushing Containerized Application Images to ACR 	10 10	20
<ul style="list-style-type: none"> • Deploying the Application on AKS <ul style="list-style-type: none"> ○ Writing Kubernetes Manifests (YAML Files) ○ Exposing Application via Service (Public/Internal Network) 	15 15	30

Disiapkan Oleh, <i>Prepared by,</i>  Marvin Luckianto Subject Development Officer	Diperiksa Oleh, <i>Checked by,</i>  Indra Dwi Rianto, S.Kom., S.Si., M.T.I. Academic Development Section Head
Tanggal : 12/09/2024 <i>Date</i>	Tanggal : 12/09/2024 <i>Date</i>