



# CERTIFICATE

No. 24-282/PES/BIM-INF/VIII/2024

This certifies that :

## Muhammad Yusuf Barakka

Has successfully completed the intensive training of :

### BIM IMPLEMENTATION

### WATER INFRASTRUCTURE MODELING DETAIL AUTODESK INFRAWORKS

Held on August 05 - 08, 2024 (total 4 days)

Conducted by PT. Minarta Dutahutama, in Jakarta.

**Topics Include :**

- User Interface in Infraworks.
- Importing various types of data, such as GIS, CAD files.
- Creating and editing digital terrain models (DTMs) and terrain surfaces.
- Designing Water Infrastructure.
- Designing other civil structures like culverts, retaining walls, and drainage systems utility networks, such as water, sewer, and stormwater systems.
- Creating visualizations and renderings
- Collaborating and sharing project data and designs.
- Preparing and presenting project,
- Case Studies of Water Infrastructure Projects for Dam irrigation canals.
- Integrates with other Autodesk software, such as AutoCAD and Civil 3D.

Depok, August 09, 2024



**Chairul Amin**  
Trainer

**PRABA ENGINEERING SERVICES**

**BIM :** CIVIL3D, INFRAWORKS, REVIT, ARCHICAD, TEKLA, ADVANCE STEEL, ALLPLAN, NAVISWORKS, SYNCHRO, LUMION, PLANT3D, CATIA, INVENTOR, ZW3D, BIM360, SURVEY & GIS : DRONE AERIAL VIDEO, DRONE AERIAL MAPPING, DRONE LIDAR, SURVEY TOPO, GNSS RTK, TS, BATHYMETRY, TLS3DSCAN, QGIS, ARCGIS, WEBGIS, SURPAC, ANALISIS DAN MANAJEMEN PROYEK : PLAXIS, SAP, ETABS, STAADPRO, CSI BRIDGE, MIDAS CIVIL, HECRAS, MS. PROJECT, PRIMAVERA, AR+VR

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