

# CERTIFICATE OF APPRECIATION

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THIS CERTIFICATE IS PROUDLY PRESENTED

## Khalad Maulana

Has completed our course program “**Online Bootcamp (3 Weeks) Mastering Geometric Road Design with Autodesk Civil 3D + Infraworks Batch #3**” held by KursusSipil on June 5th - 22th 2023.

CEO Kursus Sipil



Edwin Budi Setiawan

Certificate Validation



# List of Materials

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| <ul style="list-style-type: none"><li>• Point Data Import (Input data topografi maupun data survey)</li><li>• Membuat surface data eksisting - Membuat kontur dari data point</li><li>• Membuat surface boundary</li><li>• Menganalisis elevasi, kontur, watersheds dan slope</li><li>• Alignment (Membuat trase jalan yang sudah direncanakan)</li><li>• Membuat profil eksisting dan profil jalan rencana</li><li>• Assembly (Design typical jalan)</li><li>• Coridor (Mengkombinasikan trase typical dengan profil yang sudah dibuat)</li><li>• Coridor (Mengkombinasikan trase typical dengan profil yang sudah dibuat)</li></ul> | <ul style="list-style-type: none"><li>• Surface Corridor (Generate surface yang telah direncanakan berdasarkan point code)</li><li>• Intersection (Membuat simpang jalan)</li><li>• Widening (Membuat transisi jalan/pelebaran jalan)</li><li>• Subassembly Composer (Membuat subassembly custom)</li><li>• Bundaran (Membuat intersection berupa bundaran)</li><li>• Plan Production (Membuat plan profil dari jalan)</li><li>• Cross Section (Membuat potongan melintang dari jalan)</li><li>• Quantity Take Off Volume (Kalkulasi volume berdasarkan cross section dan surface)</li><li>• Plan Profile</li><li>• Infracworks Modelling</li></ul> |
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