

# CERTIFICATE OF APPRECIATION

ID : 71f81376-9222-42d6-8514-0a9a800cda72

THIS CERTIFICATE IS PROUDLY PRESENTED

## Fernando Revaldo Martua Situmeang

is hereby awarded this certificate of achievement for completed our course program "**Desain dan Analisis Struktur Gedung 10 Lantai sesuai dengan SNI 1727-2020 dan SNI 1726-2019 Menggunakan Bantuan Software SAP2000 (Intermediate level)**" held by KursusSipil

Course Length: 8 Hours | February, 10th - 13th 2025

**CEO Kursus Sipil**



**Edwin Budi Setiawan**

**Certificate Validation**



# List of Materials

|                                                                                  |                                                                                                                                                                                                                                        |
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| <b><i>Sesi 1: Pengantar SAP2000 &amp; SNI 1727-2020 &amp; SNI 1726-2019</i></b>  | <ul style="list-style-type: none"> <li>• Koordinat Axis</li> <li>• Derajat Kebebasan</li> <li>• Konsep Gaya dalam</li> <li>• Preliminary Design</li> </ul>                                                                             |
| <b><i>Sesi 2: Modelling Struktur &amp; SNI 1727-2020 &amp; SNI 1726-2019</i></b> | <ul style="list-style-type: none"> <li>• Preliminary Design</li> <li>• Pembebanan Struktur (Mati, hidup, angin, hujan, gempa)</li> </ul>                                                                                               |
| <b><i>Sesi 3: Bangunan Tahan Gempa</i></b>                                       | <ul style="list-style-type: none"> <li>• Kategori Resiko Gempa</li> <li>• Kategori Resiko Gempa</li> <li>• Kategori Desain Sesismik</li> <li>• Faktor Modifikasi Respons, Kombinasi beban Terfaktor, Periode alami struktur</li> </ul> |
| <b><i>Sesi 4: Bangunan Tahan Gempa</i></b>                                       | <ul style="list-style-type: none"> <li>• Gaya Geser Dasar</li> <li>• Mass Source</li> <li>• Simpangan antar lantai</li> <li>• Efek P-Delta</li> <li>• Running Analysis &amp; Interpretasi Hasil Analysis</li> </ul>                    |