

CERTIFICATE OF APPRECIATION

ID : eef850ec-673d-4667-ab73-825e355a39a5

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Andrew Laurence

has completed the class and project for "**Zoom Record - Design of Steel Structure Warehouse Using SAP2000 & Bolted Connection with IDEA Statica (Intermediate) (Perencanaan Warehouse Struktur Baja dengan SAP2000 & Sambungan Baut dengan Idea Statica)**" by Kursus Sipil Indonesia

on **Thursday, April 02, 2026**

CEO Kursus Sipil



Edwin Budi Setiawan

Certificate Validation



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List of Materials

Materi	Waktu
Sesi 1 <ul style="list-style-type: none"> • Basic Concept SAP2000 • Type - type dan bagian struktur Warehouse • Materials Properties dan Section Properties Baja • Permodelan Struktur Warehouse (Purlin, Rafter, Bracing, Balok, Kolom) Part 1 	120 menit
Sesi 2 <ul style="list-style-type: none"> • Permodelan Struktur Warehouse (Purlin, Rafter, Bracing, Balok, Kolom) Part 2 • Load Patterns & Load Case pada SAP2000 • Materi Pembebanan Warehouse berdasarkan SNI 1727-2020 • Perhitungan Pembebanan Struktur Warehouse berdasarkan SNI 1725-2016 	120 menit
Sesi 3 <ul style="list-style-type: none"> • Assign Pembebanan Jembatan Rangka Baja pad SAP2000 • Sistem Struktur Warehouse & Gaya gempa Warehouse • Optimalisasi Design Struktur Warehouse • Materi Dasar Struktur Baja 	120 menit
Sesi 4 <ul style="list-style-type: none"> • Analisis Struktur Baja pada Warehouse berdasarkan SNI 1729 - 2020 • Design Sambungan pada Struktur Warehouse dengan IDEASatica 	120 menit
Total Pertemuan	± 8 Jam