

DWIKI RAHMAN

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PORTFOLIO

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☎ (+62) 813 6863 5794

2025



ABOUT ME

PORTFOLIO



Mechanical Engineering
Graduate

HALO I'M DWIKI RAHMAN

Graduated from the Department of Mechanical Engineering at Andalas University, Padang. Experienced at PT. Semen Padang, Indonesia as an intern. Interested in the field of production and safety with teamwork supported by accuracy, communication and responsibility. Occupational Safety and Health expert candidate Certified by The Ministry of Manpower of the Republic of Indonesia. Always be open to other opportunities for developing my potential



EDUCATIONAL BACKGROUND

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**BACHELOR DEGREE OF MECHANICAL ENGINEERING
(2017–2023)**

GPA 3.20 FROM 4.00

**ANDALAS UNIVERSITY
PADANG, INDONESIA**



ORGANIZATIONAL EXPERIENCE

**HIMPUNAN MAHASISWA MESIN UNIVERSITAS ANDALAS
(2018–2023)**

**Student organization at department level since
February 22, 1986**





INTERNSHIP EXPERIENCE

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PHOTO ON SITE

The internship was carried out to fulfill one of the requirements for completing the undergraduate degree program.

I was placed in the Contract Service Division, specifically in the Maintenance Inspection and PGOH Unit.

**PT. SEMEN PADANG
(JAN 2022–FEB 2022)**

PADANG, INDONESIA



Certificate of Completion

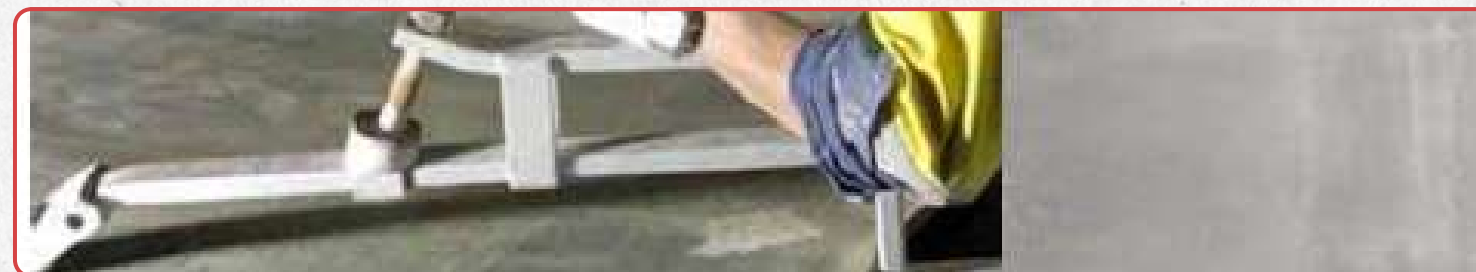


Case Study Report



Case Study: Hot and Cold Splicing Techniques on Conveyor Belts by the Contract Service Team – PT. Semen Padang

- To understand the belt conveyor system, including its components and their respective functions as used in the company.
- To understand the belt conveyor splicing process (hot and cold splicing) as implemented in the company.



THESIS PROJECT

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UNIVERSAL TESTING
MACHINE

The Effect of TiO_2 Filler on Glass Fiber-Epoxy Composites Toward Density and Mechanical Properties: Tensile and Compressive Strength

This test is intended to determine the effect of Titanium Dioxide (TiO_2) filler on the density and mechanical properties, specifically the tensile and compressive strength, of glass fiber epoxy composites.

ACCESS LINK

Thesis Report



Data Visualization

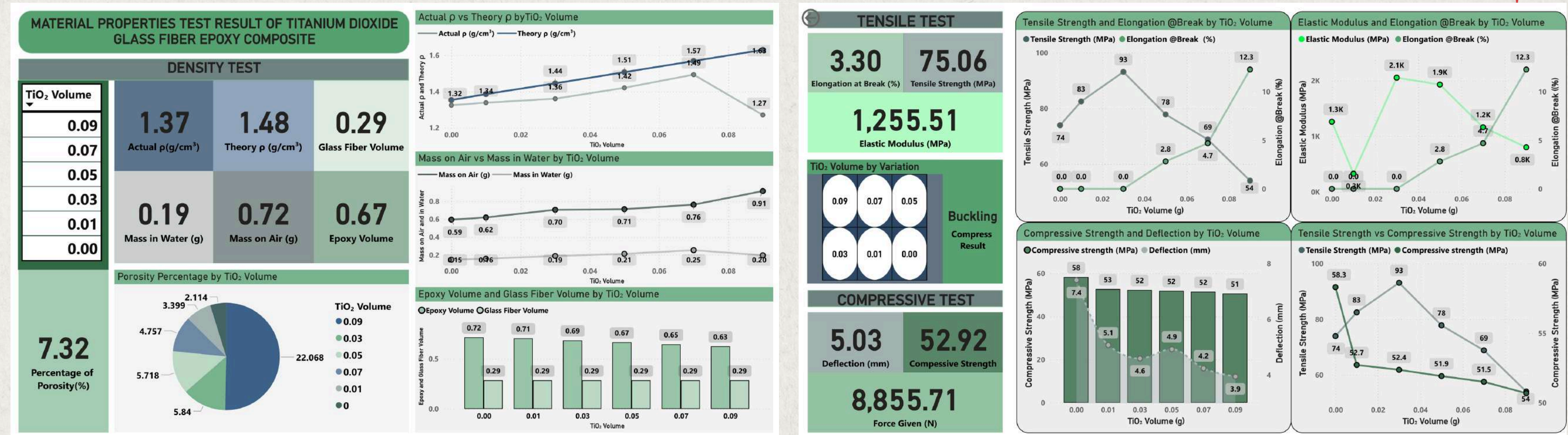




THESIS DATA VISUALIZATION

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TOOLS: Microsoft Excel and Power BI



The test results indicate that the addition of Titanium Dioxide enhances the strength of the composite, with a note that the mixing time should be adjusted according to the increased composite volume.



TRAINING AND CERTIFICATION

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PHOTO ON SITE

THE SUPERVISION AND DEVELOPMENT OF OCCUPATIONAL SAFETY AND HEALTH NORMS

A 2-weeks training program about occupational safety and health norms held by PT. Berkarya Sukses Gemilang

CERTIFICATION OF OCCUPATIONAL SAFETY AND HEALTH EXPERT CANDIDATE

Certification issued by the Ministry of Manpower of the Republic of Indonesia

ACCESS LINK

Certificate



Data Visualization





FIELD WORK VISIT DATA REPORT

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Location: PT. PT. Budi Nabati Perkasa Jambi

Observation Object: Occupational Safety and Health (OSH) of Steam Boilers & Pressure Vessels, Power-Driven Production Equipment, Lifting and Transport Equipment, and Construction Safety

TOOLS: Microsoft Excel and Power BI





SKILLS AND TOOLS

PORTFOLIO

TOOLS



Hard Skills: Microsoft Office, Power BI, Auto CAD, SolidWorks, HSE

Soft Skills: Time Management, Priority Management, Interpersonal Communication, Problem Solving, Teamwork

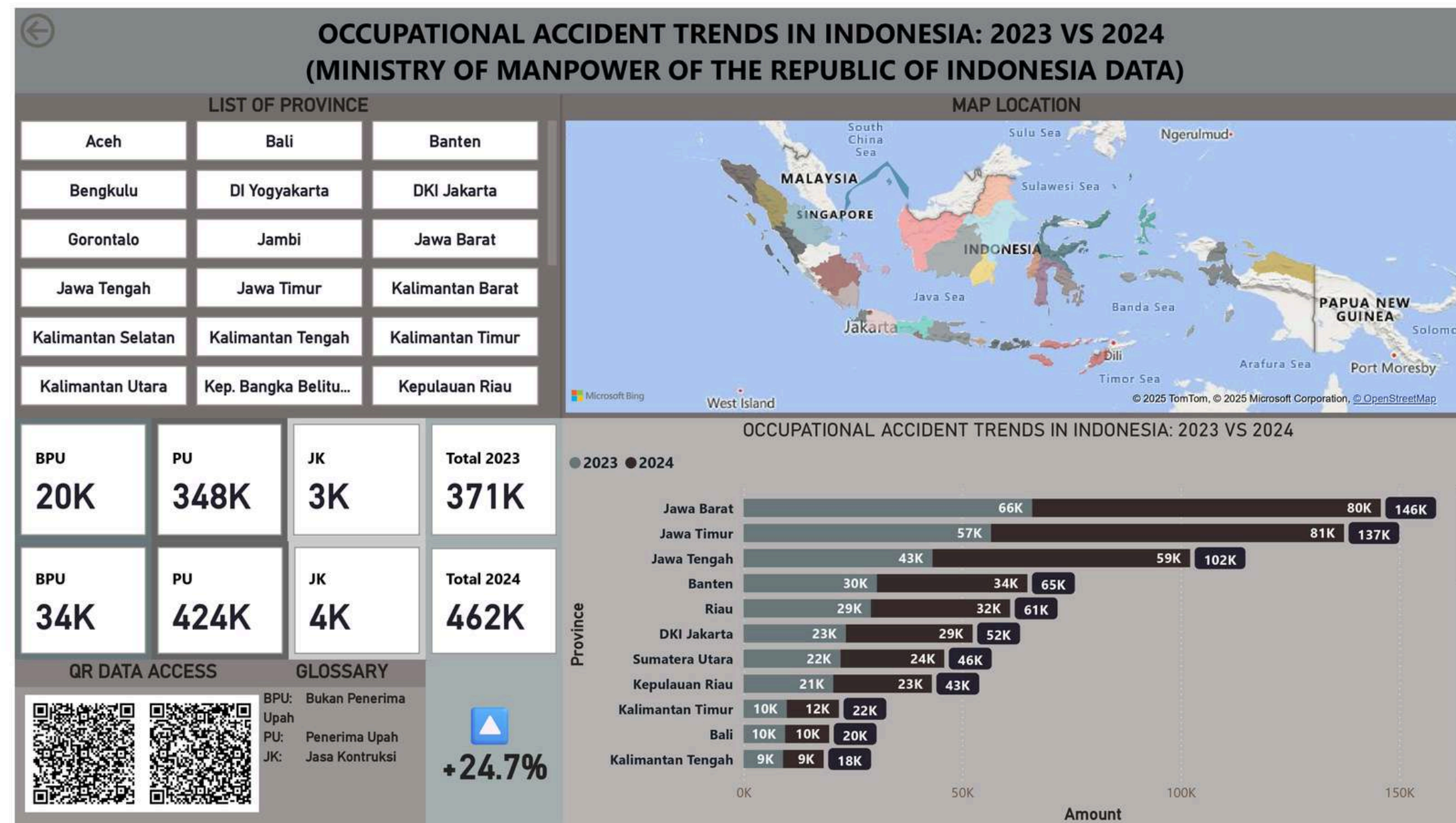
LANGUAGE: ENGLISH, BAHASA INDONESIA



DATA VISUALIZATION PROJECT

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Data Visualization of Occupational Accident Trends in Indonesia 2023;2024

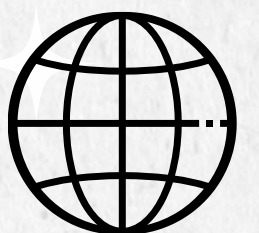


Data visualization to compare the amount of occupational accident trends in Indonesia by Year 2023 vs 2024

Tools: Excel and Power BI
Data Source: The Ministry of Manpower of The Republic of Indonesia

[ACCESS LINK](#)

Data Visualization

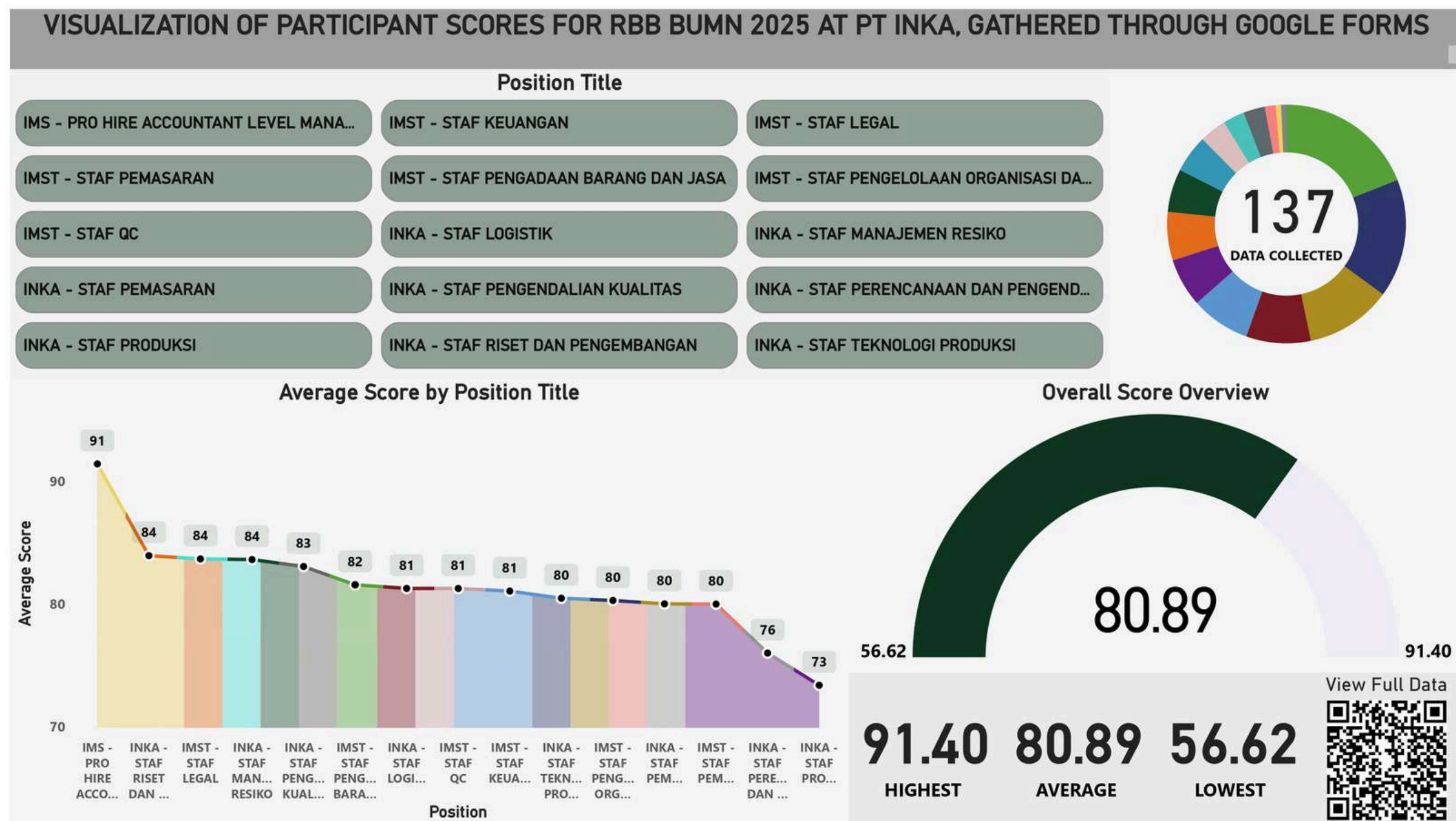




DATA COLLECTION FORM PROJECT

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VISUALIZATION OF PARTICIPANT SCORES FOR RBB BUMN 2025 AT PT INKA, GATHERED THROUGH GOOGLE FORMS



Data collected to create a Live score of RBB BUMN PT INKA 2025 participant.

Tools: Excel and Power BI
Data Source: Google Form

[ACCESS LINK](#)

Data Visualization



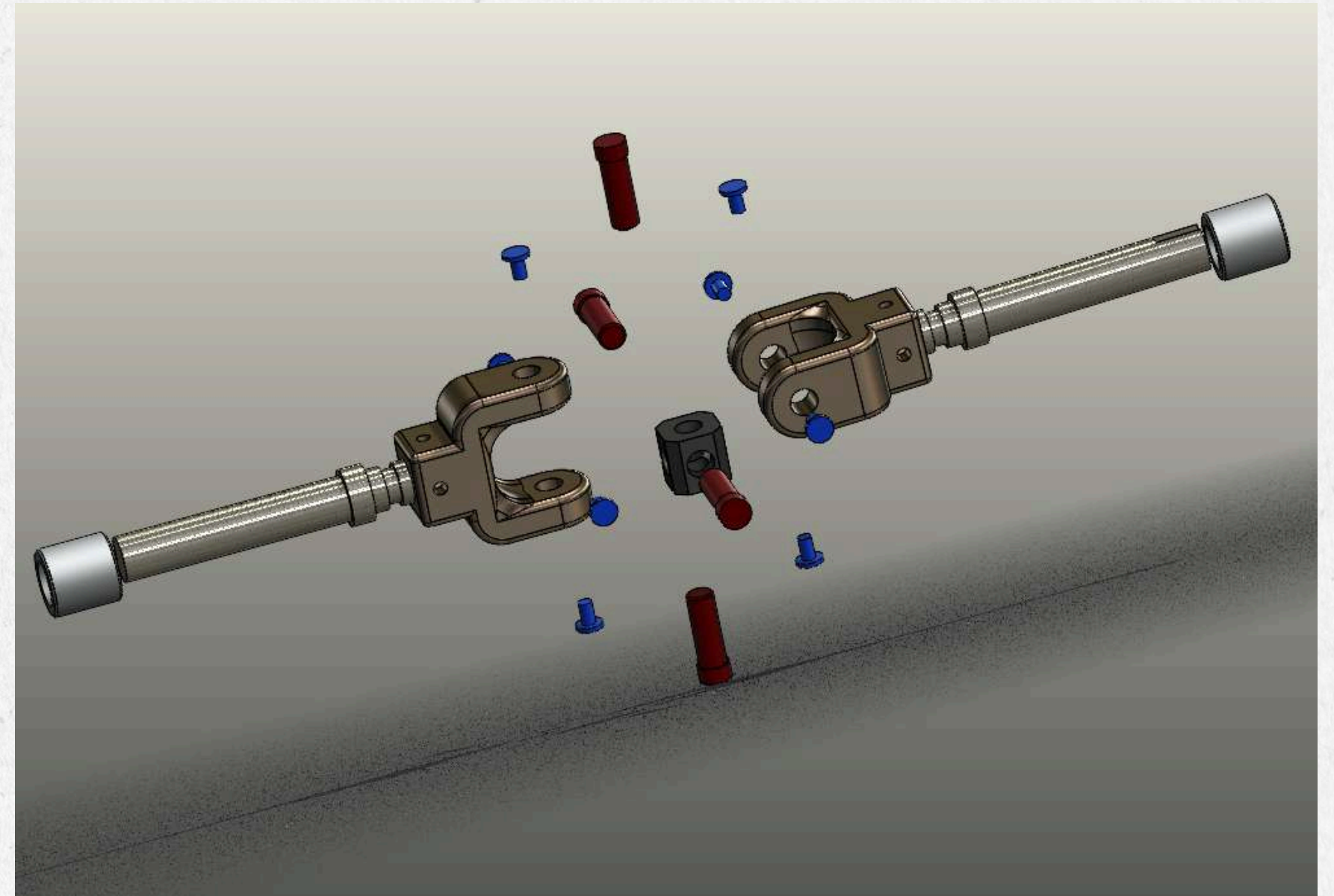
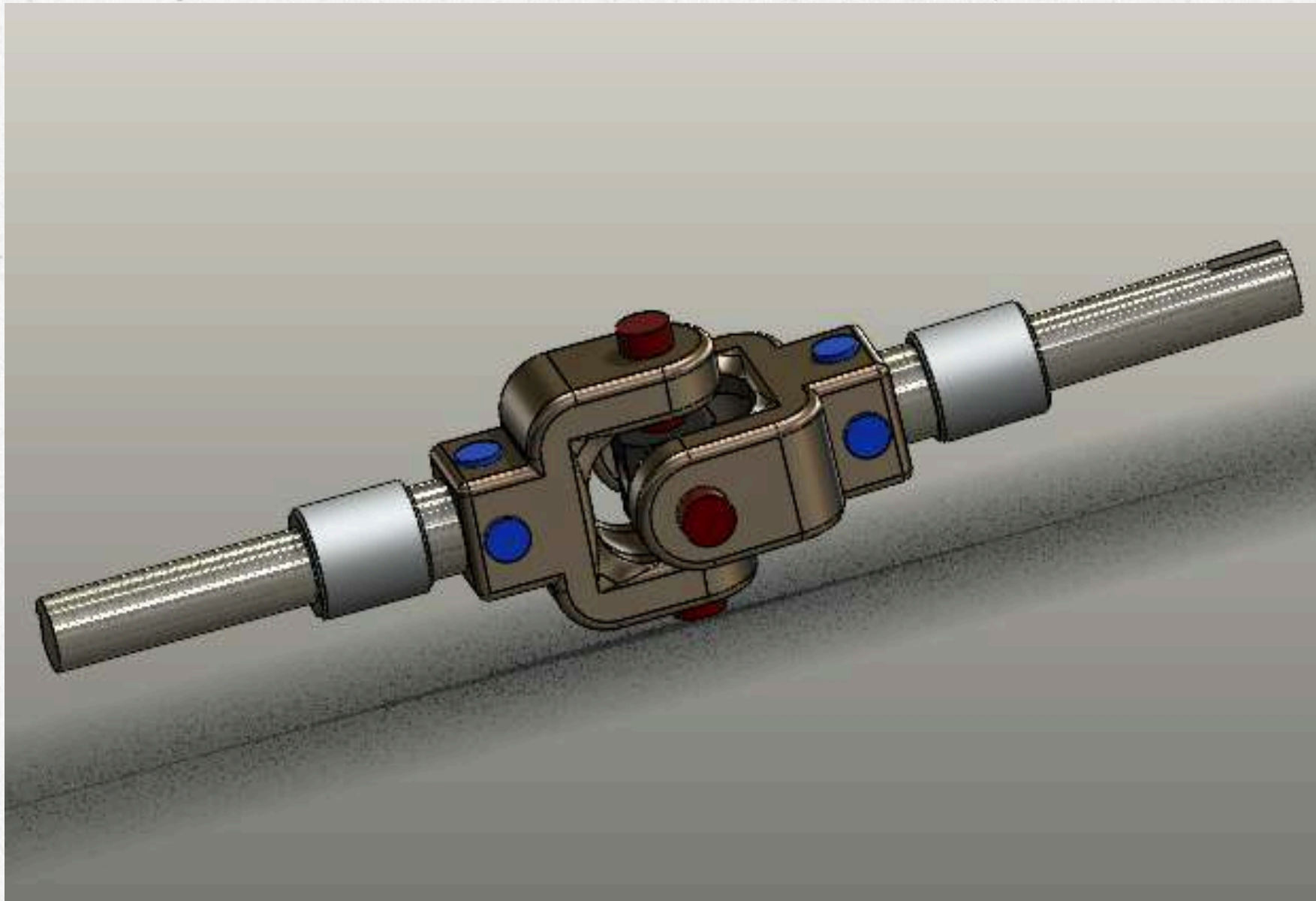


3D MODELING PRACTICE USING SOLIDWORKS

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Universal Joint In Assembly

This project was created for learning purposes by following a tutorial from Teknik  Drawing. Original tutorial available on their Facebook page: [LINK](#)



ANIMATION VIDEO





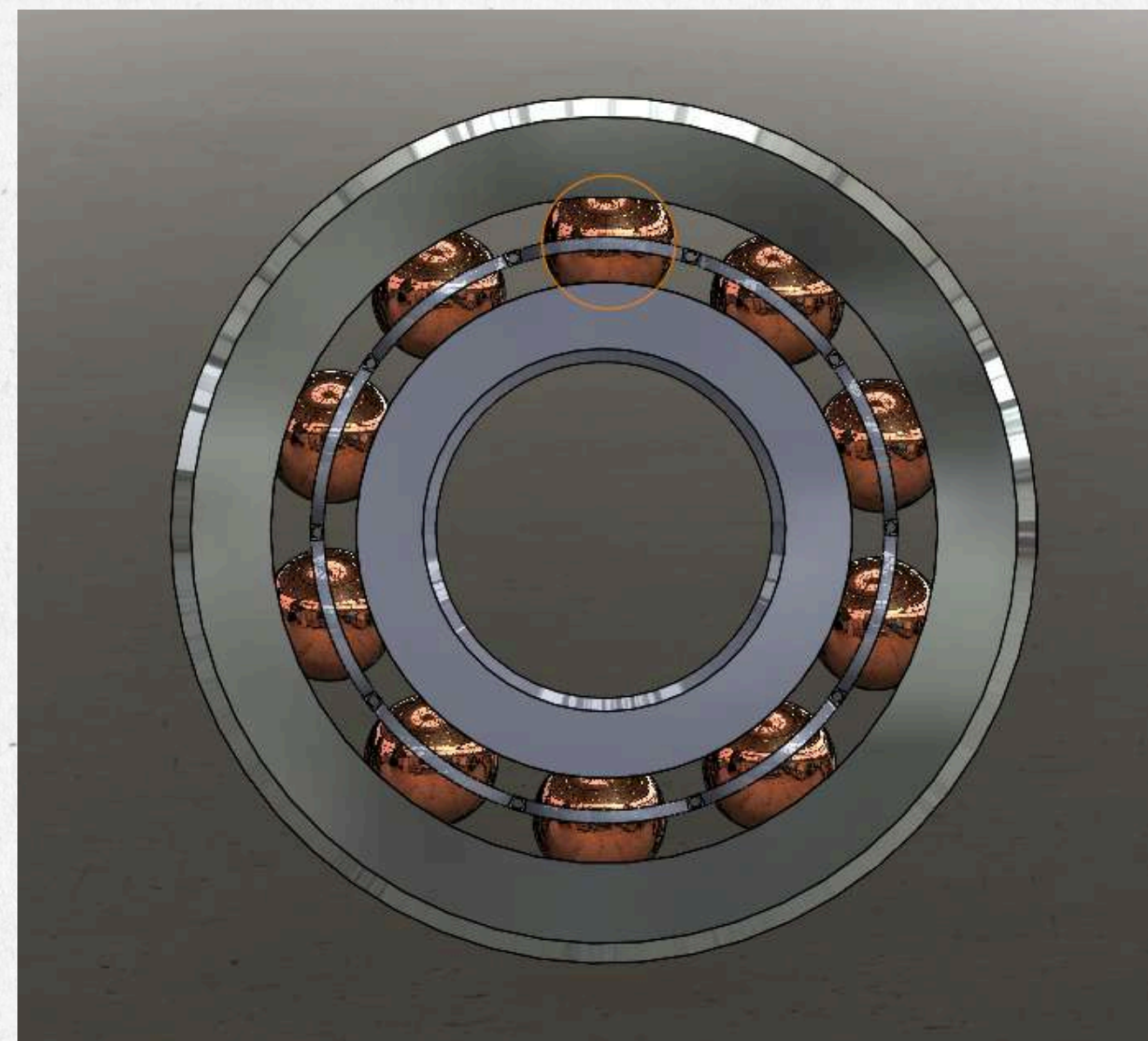
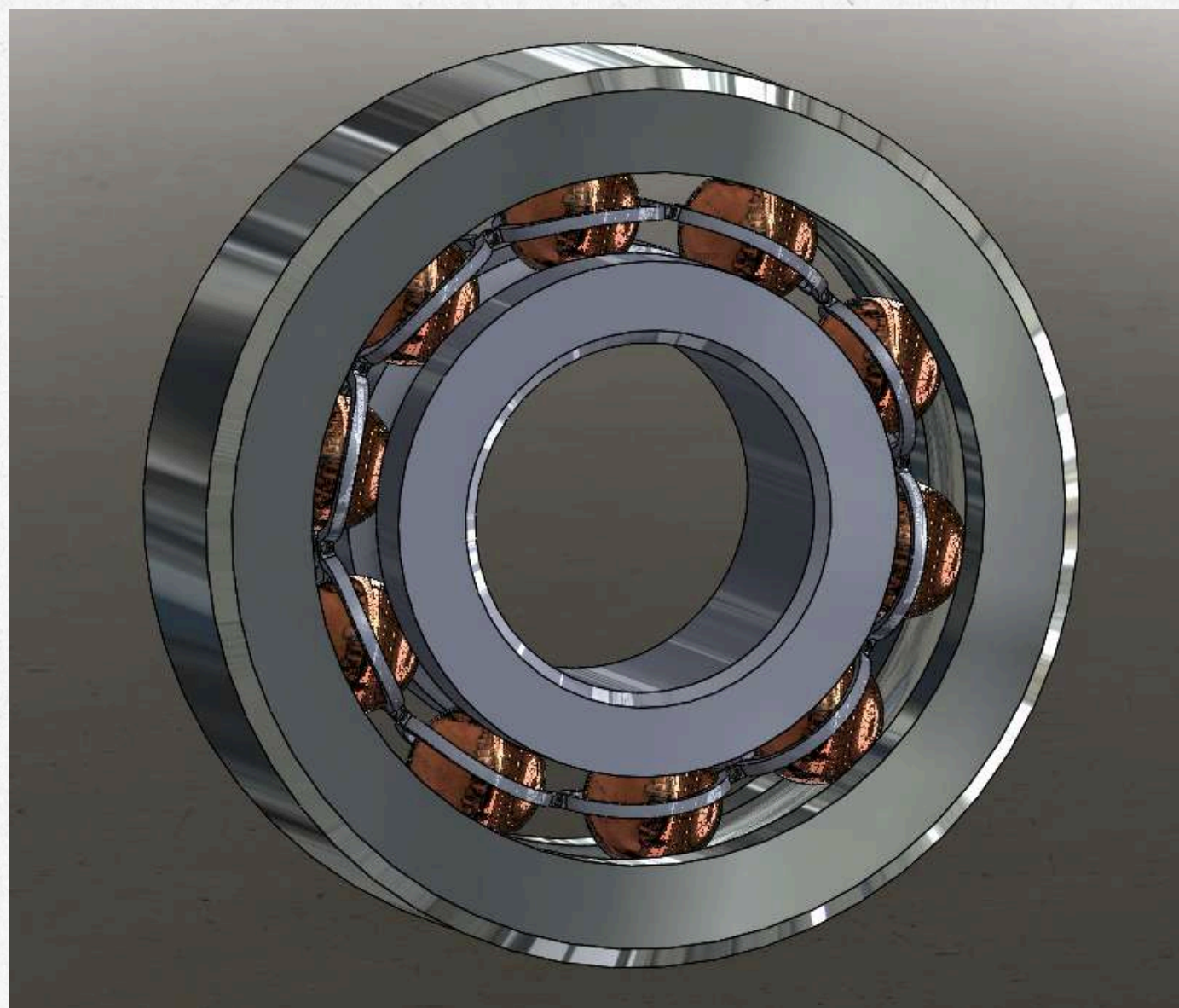
3D MODELING PROJECT USING SOLIDWORKS

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3D Model of a 10-Ball Bearing

This project was created for learning purposes by data provided by Teknik Drawing.

Original data available on their Facebook page: [LINK](#)



ANIMATION VIDEO



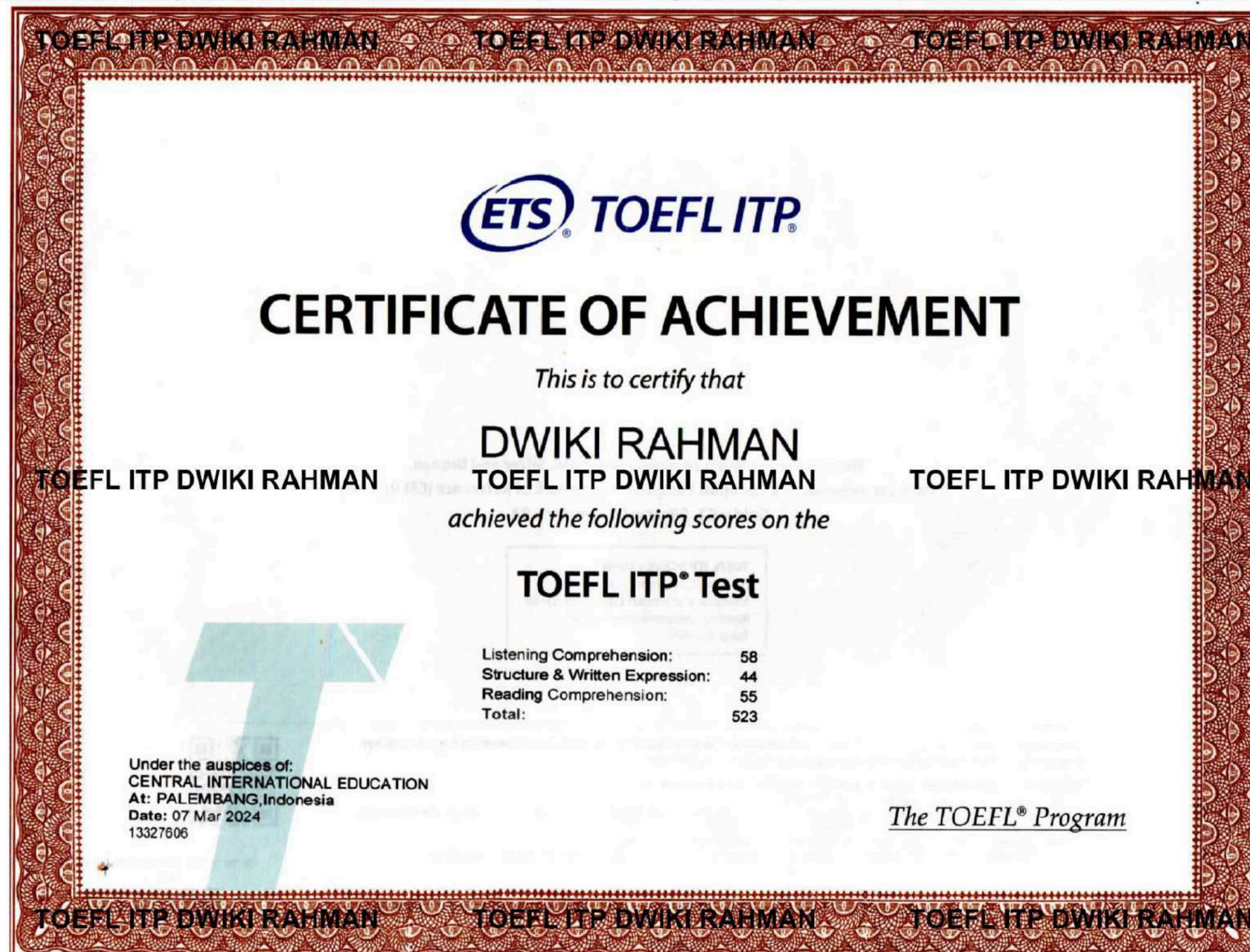


LANGUAGE CERTIFICATE

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TOEFL ITP BY EDUCATIONAL TESTING SERVICE (ETS)

VALID UNTIL
March 7, 2026





CONTACT INFORMATION

PORTFOLIO



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(+62) 813 6863 5794



[dwikirahman](https://www.instagram.com/dwikirahman)



github: <https://github.com/dwikirahman>



GITHUB REPOSITORY

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Please check the link below to view all project files:



<https://github.com/dwikirahman/Project-and-Practice>





CLOSING STATEMENT

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Thank you for taking the time to review my portfolio.



I hope this collection of experiences and projects has given you insight into my skills, dedication, and enthusiasm for continuous learning.



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LET'S WORK
TOGETHER!



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