

Komang Agus Arta Wijaya, ASAI

Actuarial Officer | Life Insurance Reserving & IFRS 17

Jakarta, Indonesia | kmagusarta@gmail.com | +62-877-9686-7875 | linkedin.com/in/kaa-wijaya | gusta-act.vercel.app

PROFESSIONAL SUMMARY

Associate actuary (ASAI) in life insurance, running monthly OJK and IFRS 17 reserving (BEL, RA and CSM under GMM, PAA and VFA) and mortality and lapse experience studies. Builds the tools behind the numbers: VBA automation that cut reserving run time by 70%, and Python web apps for experience studies and IFRS 17 projections. Author of the free IFRS 17 Explained series. Best Graduate, Brawijaya University (GPA 3.97).

PROFESSIONAL EXPERIENCE

Actuarial Officer, Heksa Solution Insurance | 2024 – Present

- Cut reserving run time from 10 to 3 hours per cycle (~70%) by building VBA automation for reserving, reconciliation and reporting, with fewer manual errors.
- Run monthly reserving in line with OJK regulations and IFRS 17 methods and assumptions.
- Support IFRS 17 implementation: project expected cash flows and calculate BEL, RA and CSM under GMM, PAA and VFA, working with Finance to align actuarial and accounting views.
- Build and maintain reserve models: Gross Premium Valuation (GPV), Unearned Premium Reserve (UPR), unit-linked fund accumulation reserve, and IBNR using claim triangle methods.
- Run mortality and lapse experience studies to validate and update reserving assumptions.
- Prepare business-plan projections of future cash flows and profitability by product.
- Built an Excel dashboard of monthly premium, loss ratio and claim ratio by product, used across directorates to identify strong and underperforming products.

Python Programming Teacher, Algorithmics Indonesia | 2023

- Taught Python to students aged 6–17 in Indonesian and English, adapting lessons to each skill level.
- Assessed progress through projects and presentations, with regular updates to parents.

Marketing & Policy Processing Intern, BCA Insurance | 2023

- Prepared and registered policies, and reported renewed vs non-renewed policies to management.

SELECTED PROJECTS

- **ActuarialPro**: Python and Flask web app for mortality experience studies, claim analysis and an IFRS 17 projection engine. Delivers in under 1 hour an analysis that takes about 20 hours in spreadsheets (20× faster). Built solo.
- **Actuarial TeamFlow**: Web app for planning, running and signing off recurring actuarial work, with checklists, team capacity, a schedule and audit-ready reports. In daily use by an actuarial team; designed and built solo.
- **Educational series**: Author of IFRS 17 Explained (6 episodes) and Experience Study (2 episodes), illustrated explainers published on gusta-act.vercel.app and LinkedIn.

PROFESSIONAL QUALIFICATIONS

- **ASAI**: Associate of the Society of Actuaries of Indonesia (PAI), 2026
- **FSAI**: Fellowship in progress, 1 of 5 modules passed (BA1 Investment)

EDUCATION

Bachelor of Actuarial Science, Brawijaya University | 2024

- GPA 3.97 / 4.00, Best Graduate Award
- Lecture assistant: Data Analytics, Mathematical Statistics, Programming, Numerical Methods (50+ students each).
- Speaker, National Mathematics Conference KNM XXI (Oct 2022): machine-learning prediction of diabetes and stroke.

SKILLS

- **Actuarial**: IFRS 17 (GMM, PAA, VFA; BEL, RA, CSM), OJK statutory reserving, GPV, UPR, IBNR, experience studies (mortality, lapse), cash-flow projection, actuarial control cycle
- **Programming & data**: Python (pandas, NumPy), Flask, SQL (SQL Server), JavaScript, Git, Excel (advanced, VBA, dashboards), RAFM (working knowledge)
- **AI tools**: AI-assisted software development with Claude: building, testing and documenting actuarial tools
- **Languages**: Indonesian (native), English (professional working proficiency)