

## INTISARI

### **Estimasi Pendanaan Program Pensiun Menggunakan Metode *Projected Unit Credit* dan Metode *Individual Level Premium***

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Saat ini, sangat banyak perusahaan yang menyelenggarakan program Dana Pensiun. Perusahaan yang menyelenggarakan program pensiun memerlukan penilaian dan perhitungan aktuarial untuk mengestimasi jumlah dana yang dibutuhkan oleh perusahaan untuk membiayai dana pensiun. Setiap lembaga memiliki metode perhitungan aktuarial yang berbeda-beda untuk menghitung pendanaan program pensiun. Secara umum, terdapat dua kelompok metode valuasi aktuarial (*actuarial cost method*), yaitu *Accrued Benefit Cost Method* dan *Projected Benefit Cost Method*. Metode yang termasuk dalam *Accrued Benefit Cost Method* antara lain adalah metode *Projected Unit Credit*, sedangkan metode yang termasuk dalam *Projected Benefit Cost Method* antara lain adalah metode *Attained Age Normal*, *Entry Age Normal*, dan *Individual Level Premium*. Metode aktuarial yang digunakan dalam penelitian ini adalah metode *Projected Unit Credit* dan *Individual Level Premium*. Melalui penelitian ini diperoleh hasil penilaian manfaat pensiun dengan asumsi gaji terakhir karir lebih tinggi daripada asumsi gaji lainnya. Di sisi lainnya, hasil perhitungan akhir nilai akumulasi iuran normal menggunakan metode *individual level premium* lebih kecil dari metode *projected unit credit* yang baik jika dilihat dari sisi peserta program dana pensiun.

Kata kunci: Dana Pensiun, *Projected Unit Credit*, *Individual Level Premium*, iuran normal, kewajiban aktuarial, metode valuasi aktuarial

## ABSTRACT

*Estimation of Pension Program Funding Using the Projected Unit Credit Method and the Individual Level Premium Method*

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Nowadays, there are so many companies that implement the Pension Fund program. Companies that organize pension programs require actuarial valuation and calculations to estimate the amount of funds needed by the company to finance the pension fund. Each institution has a different actuary calculation method to calculate the funding of the pension fund. In general, there are two groups of actuarial valuation methods, namely the Accrued Benefit Cost Method and the Projected Benefit Cost Method. Methods included in the Accrued Benefit Cost Method include the Projected Unit Credit method, while methods included in the Projected Benefit Cost Method include the Attained Age Normal, Entry Age Normal, and Individual Level Premium methods. The actuarial method used in this study is the Projected Unit Credit and Individual Level Premium methods. Through this research, the results of the assessment of pension benefits are obtained with the assumption that the last career salary is higher than the other salary assumptions. On the other hand, the final calculation result of the normal contribution accumulation value using the individual premium level method is smaller than the projected unit credit method which is good when viewed from the perspective of pension fund program participants.

**Keywords:** Pension Fund, Projected Unit Credit, Individual Level Premium, normal cost, actuarial liability, actuarial cost method