Rancangan program komputer untuk analisa manajemen keuangan korporasi berdasarkan metode revised balance sheet melalui perangkat lunak matlab = design of computer program for corporate financial management analysis based on the revised balance sheet method through matlab software

Fikri Gandara, author

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Abstrak

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Penelitian ini membahas penyederhanaan neraca keuangan yang sudah terstandarisasi khususnya pada neraca kekayaan-kewajiban dengan metode revised balance sheet. Pada neraca kekayaan-kewajiban standar terdapat minimal 32 (tiga puluh dua) variabel data keuangan, dengan menggunakan metode revised balance sheet, maka hanya 6 (enam) variabel data keuangan berjangka panjang yang digunakan dalam proses evaluasi kinerja keuangan, prediksi posisi keuangan, serta perancangan kebijakan dalam upaya meningkatkan pertumbuhan keuangan perusahaan.

Proses penyederhanaan neraca keuangan serta penentuan kebijakan keuangan perusahaan menggunakan perangkat lunak Matlab. Pada Matlab terdapat media tampilan GUI (graphic user interface) yang memudahkan dalam pemrosesan setiap data neraca keuangan. Evaluasi kinerja dan langkah kebijakan yang diprioritaskan pada penelitian ini ditampilkan dalam beberapa feature, diantaranya adalah penentuan laju pertumbuhan keuangan perusahaan, penilaian harga saham, evaluasi tindakan merger, simulasi laju pertumbuhan dengan penambahan modal penyertaan saham, penentuan kelayakan investasi serta evaluasi biaya penelitian dan pengembangan perusahaan

Hasil yang diperoleh dalam penelitian ini bahwa penggunaan alat analisa keuangan dalam bentuk program komputer dengan menggunakan metode revised balance sheet melalui perangkat lunak Matlab dapat beroperasi secara efektif dan efisien.;
ABSTRACT
This study discusses the simplification of the financial statements that has been standardized especially on the balance sheet become simpler with the revised balance sheet method. At the balance sheet standard, there are at least 32 (thirty two) financial data variables, using the revised balance sheet method, only 6 (six) variable long-term financial data used in the process of evaluating the financial performance, financial position prediction, and design policies in an effort to improve the company's financial growth.

The simplification of the balance sheet and financial policies determinationusing Matlab software. In Matlab media, there is GUI (graphic user interface) that facilitates the processing of any financial data in financial statements. Performance evaluation and priority policies measures in this study is shown in several features, including the determination the growth rate of corporate finance, stocks valuation, merger valuation, growth rate with additional equity, investment criteria acceptance, and research and development cost valuation.

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