PT X Construction company is a company conducting the construction services business. Construction businesses have their own standards set by PSAK 34 to recognize their revenue and reporting it in the financial statements. During the contract agreement and planning process, construction companies will make a unit-volume analysis to be used in both the budgeting and the evaluation process as well as for the percentage of completion estimation. Until now, the company recognizes their revenue by using the physical portion of completed work which is allowed by the standards but does not provide the most accurate way to recognize their percentage of completion. There have been proofs that the most accurate way is by using the cost incurred to costs at completion method. This research applied qualitative exploratory at one case approach using the earned value management, PSAK 34, and Accounting Information System Theories to design accounting information system and conducting a simulation to previously available data to be compared in terms of the revenue recognition accuracy using the percentage of completion method for the disclosure in the financial statements of PT X Construction company. The results of this research shows that by using the earned value based percentage of completion, the company could report the revenue recognized for their projects with increased accuracy.

Keywords: Accounting information system, earned value, PSAK 34, revenue recognition, percentage of completion.