

ABSTRAK

Penelitian ini disusun untuk mendapatkan rumusan kriteria dan bobot yang tepat sebagai indikator penilaian teknis pemilihan kontraktor pelaksana pada pekerjaan konstruksi gedung kantor OJK dengan metode *analytical hierarchy process* (AHP). Rumusan kriteria beserta masing-masing bobotnya diharapkan dapat digunakan sebagai acuan dalam proses penilaian kriteria teknis, serta dapat menjadi masukan dalam penetapan standar baku evaluasi pemilihan kontraktor pada ketentuan internal OJK.

Pengumpulan data dilakukan melalui wawancara dan menghimpun informasi dari 15 (lima belas) orang tenaga ahli (*expert*) di OJK yang memenuhi kriteria sebagai informan berdasarkan instrumen pertanyaan AHP yang telah disusun. Informasi yang didapatkan akan diolah lebih lanjut dengan menggunakan software yang mendukung pengolahan data AHP. Perhitungan consistency ratio (CR) dilakukan dengan persyaratan nilai $CR \leq 0.10$, kemudian dilanjutkan dengan perhitungan bobot kriteria dan subkriteria dengan software AHP-Online System (AHP-OS).

Berdasarkan hasil penelitian ini, bahwa indikator penilaian teknis pemilihan kontraktor pelaksana pada pekerjaan konstruksi terdiri dari kriteria *working method* (38,1%), *technical specification* (22,8%), *type, capacity, composition, number of equipment* (16,6%), *subcontractors* (11,4%), dan *health safety environment* (11,1%).

Kriteria *working method* dapat dibagi kembali menjadi subkriteria *project schedule* (17,0%), *analytical performance and innovation initiatives* (14,3%), *project management system* (14,0%), *working methodology plan* (13,3%), *man power capabilities* (11,9%), *division of responsibilities* (9,2%), *management potential* (7,7%), *management knowledge* (7,2%), dan *team management structure* (5,4%). Pada kriteria *technical specification* terdapat pembobotan yang terdiri dari subkriteria *quality assurance (QA)/quality control (QC) system* (60,7%) dan *quality control policy* (39,3%). Pada kriteria *type, capacity, composition, number of equipment* terdapat pembobotan yang terdiri dari *percent of capacity being utilized* (40,4%), *equipment plan* (22,1%), *current project* (37,5%). Pada kriteria *subcontractors* terdapat subkriteria dengan masing-masing bobot yang terdiri dari *availability of general superintended to control subcontractors* (22,9%), *list of subcontractors* (5,9%), *itemized detail of subcontracting works* (12,8%), *experience of subcontractors* (20,8%), *reputation of subcontractors* (25,4%), *familiarity of labor and suppliers* (12,2%). Pada kriteria *health, safety, environment (HSE)* terdapat pembobotan subkriteria sebagai berikut : *safety record* (20,8%), *HSE policy* (28,2%), *implementation of HSE programs* (50,9%). Bobot nilai kriteria *subcontractors* sebesar 16,1%.

Kata kunci: *analytical hierarchy process* (AHP), kriteria, subkriteria, penilaian teknis, pemilihan kontraktor, Otoritas Jasa Keuangan (OJK).

ABSTRACT

This research was prepared to obtain the right formulation of criteria and its weights as a technical assessment for selection of contractor on OJK office building construction work. The formulation of the criteria and each weight is expected to be used as a reference in the process of assessing technical criteria, and can be an input in the determination of standards for evaluating contractor selection on internal policy of OJK.

The data collection was completed by interviewing and collecting information from 15 construction and procurement experts from OJK. The information obtained will be processed further using software that supports AHP data processing. Consistency ratio (CR) calculation is done with CR value requirement ≤ 0.10 , then continued with the calculation of criterion weight and subcriteria with AHP-Online System (AHP-OS) software.

Based on the results of this study, that the technical assessment indicator of the selection of contractors consists of working method criteria (38.1%), technical specification (22.8%), type, capacity, composition, number of equipment (16.6%), subcontractors (11.4%), and health safety environment (11.1%).

Working method criteria can be subdivided into subcriteria project schedule (17.0%), analytical performance and innovation initiatives (14.3%), project management system (14.0%), working method plan (13.3%), man power capabilities (11.9%), division of responsibilities (9.2%), management potential (7.7%), management knowledge (7.2%), and team management structure (5.4%). In the technical specification criteria, the weight is composed of the subcriteria quality assurance (QA)/quality control (QC) system (60.7%) and quality control policy (39.3%). Criteria type, capacity, composition, number of equipment terdapat pembobotan yang terdiri dari percent of capacity being utilized (40,4%), equipment plan (22,1%), current project (37,5%). Type, capacity, composition, and number of equipment criteria, with each weights criteria consist of the percentage of capacity being used (40.4%), equipment plan (22.1%), and current projects (37.5%). In the subcontractor criteria there is a subcriteria with each weight consist of availability of general superintended to control subcontractors (22.9%), list of subcontractors (5.9%), itemized detail of subcontracting works (12.8%), experience of subcontractors (20.8%), reputation of subcontractors (25.4%), familiarity of labor and suppliers (12.2%). In the criteria of health, safety, environment (HSE) there is the following weighting subcriteria: safety record (20.8%), HSE policy (28.2%), implementation of HSE programs (50.9%). The weighting of the subcontractors criterion value is 16.1%.

Keywords: analytical hierarchy process (AHP), criteria, subcriteria, technical assesment, contractor selection, Otoritas Jasa Keuangan (OJK).