

Pengukuran Tingkat Kapabilitas Tata Kelola Teknologi Informasi dan Rekomendasi Perbaikan Berdasarkan COBIT 2019: Studi Kasus Sekolah Tinggi Meteorologi Klimatologi dan Geofisika = Measurement of Information Technology Governance Capability Levels and Improvement Recommendations Based on COBIT 2019: A Case Study of State College of Meteorology, Climatology, and Geophysics

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Abstrak

Teknologi digital telah berkembang pesat dalam beberapa tahun terakhir, memungkinkan banyak inovasi baru dalam berbagai sektor, termasuk di bidang pendidikan. Sekolah Tinggi Meteorologi Klimatologi dan Geofisika (STMKG) merupakan institusi pendidikan yang setingkat dengan perguruan tinggi di bawah naungan Badan Meteorologi Klimatologi dan Geofisika (BMKG). STMKG merumuskan Rencana Strategis (RENSTRA) 2020-2024 yaitu mewujudkan perguruan tinggi otonom dan juga mampu bersaing sebagai perguruan tinggi berkelas dunia. Untuk mewujudkan hal tersebut diperlukan perbaikan tata kelola di STMKG yang berfungsi untuk meningkatkan efisiensi dan efektivitas tata kelola STMKG. Maka dari itu perbaikan tata kelola STMKG khususnya bidang Teknologi Informasi (TI) di tengah era disrupsi teknologi menjadi tantangan bagi STMKG untuk mewujudkan perguruan tinggi berkelas dunia, sehingga diperlukan pengukuran tingkat kapabilitas Tata Kelola TI di STMKG. Untuk mengetahui pencapaian tingkat kapabilitas Tata Kelola TI di STMKG, peneliti akan mengukur tingkat kapabilitas Tata Kelola TI menggunakan kerangka kerja COBIT 2019. Penelitian ini dilakukan menggunakan Mixed Methods dengan metode wawancara dan kuesioner. Data primer penelitian bersumber dari 9 responden terpilih di STMKG. Hasil Penelitian menunjukkan bahwa 7 process area dari total 10 process area terpilih telah mencapai target stakeholder yaitu tingkat kapabilitas TI level 3 (Established) artinya tata kelola TI yang dijalankan sudah optimal. Sedangkan 3 process area lainnya perlu perbaikan yaitu APO02 managed strategy di level 2 (Managed) serta APO09 managed service agreements dan BAI06 managed IT changes di level 1 (Performed). Manfaat penelitian ini adalah rekomendasi perbaikan mengacu pada best practice yang dirumuskan oleh COBIT 2019 sehingga tata kelola TI STMKG menjadi optimal.

.....Digital technology has developed rapidly in recent years, enabling many new innovations in various sectors, including education. The State College of Meteorology, Climatology, and Geophysics (STMKG) is an educational institution equivalent to a higher education institution under The Indonesian Agency for Meteorology, Climatology, and Geophysics (BMKG). STMKG has formulated the 2020-2024 Strategic Plan (RENSTRA) to become an autonomous university and also to be able to compete as a world-class university. To achieve this, improvements in governance at STMKG are needed to increase the efficiency and effectiveness of STMKG's governance. Therefore, improving STMKG's governance, particularly in the field of Information Technology (IT), in the midst of the technological disruption era, becomes a challenge for STMKG to realize a world-class university. Thus, it is necessary to measure the capability level of IT Governance at STMKG. To determine the achievement of IT Governance capability levels at STMKG, researchers will measure the capability level of IT Governance using the COBIT 2019 framework. This research is conducted using Mixed Methods with interview and questionnaire methods. The primary

research data comes from 9 selected respondents at STMKG. The research results show that 7 process areas out of a total of 10 selected process areas have reached stakeholder targets, which is IT capability level 3 (Established), meaning that the IT governance being implemented is already optimal. Meanwhile, the other 3 process areas need improvement, namely APO02 managed strategy at level 2 (Managed) and APO09 managed service agreements and BAI06 managed IT changes at level 1 (Performed). The benefit of this research is the improvement recommendations referring to best practices formulated by COBIT 2019, so that STMKG's IT governance becomes optimal.