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Dear Dr. Fitri Maya Puspita,

We have received the submission of your abstract:

Abstract ID:
ABS-78
Please use this "Abstract ID" in all correspondence (instead of abstract title).

Title:
Improved Cloud Computing Model of Internet Pricing Schemes Based on Cobb-Douglas Utility Function

Authors:
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Institutions:
Mathematics Department, Faculty of Mathematics and Natural Sciences, Sriwijaya University

Content:
In this research, cloud computing model on internet pricing scheme based on Cobb-Douglas utility function was formed. The model formed is a combination of cloud computing model and consumer problem model by using Cobb-Douglas utility functions. These models consider the level of customer satisfaction on the sale of a service product and the service quality of the service provider company. The model used is solved by using LINGO 13.0 program to get the optimal solution result. Based on the calculation, the optimal solution was obtained for two types of cases, for the first case is 217.76 kbps and for the second case is 206.97kbps which is on cloud computing model with usage based pricing scheme and flat fee, respectively. Based on the result of each cases, both Internet Service Provider (ISP) and internet users will get maximum benefit when ISP applied models with utility function compared to the original model.

Keywords:
Cloud Computing, Cobb-Douglas, Consumer Problem, Internet Pricing Scheme
[Kutipan teks disembunyikan]

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