

Dikumpulkan di Tata usaha Telmat hari ini, Kamis tanggal 9 November 2017. Paling lambat pukul 09.45. Dikerjakan di ruang Telmat 2 mulai pukul 09.05, dosen hadir sampai pukul 09.15. Boleh juga dikerjakan sebelumnya di tempat lain.

ET 4040 Telecommunication Economy, Business, Regulation & Policy - Sem I 2017/2018

#### Quiz 10

1. In 2016, API (Actual Price Index) = CPI (Price Cap index) = 100 unit price. In 2017, inflation = + 5 %, productivity factor = +2 % and Quality factor = +2 %; Index is assumed to be a function of revenue; The provider has two types of customers: (1) Internet customers with time-based tariff and (2) Internet with volume based tariff; Revenue from customers using time-based-tariff : Revenue from customers using volume-based-tariff = 60 % : 40 %; in 2016: volume-based tariff = 105 % time-based tariff; If in 2017, the provider wants to assign the customer rates over the Internet using volume-based-tariff by 110 % compared to the rate in 2016, what is the maximum rates of time-based customer-tariff, order not to violate the ITU-D's hybrid price regulation.
2. Data of a Telco is as follows: Operating Expenses = 100 T rupiah, Depreciation = 20 T rupiah, Taxes = 20 T rupiah, Net Book Value = 400 T rupiah. Compute the rate (= tariff) per unit rupiah per k bytes, when Telco using the concept of rate of return regulation, when traffic = 1000 terabytes and the expected rate of return is = 10%