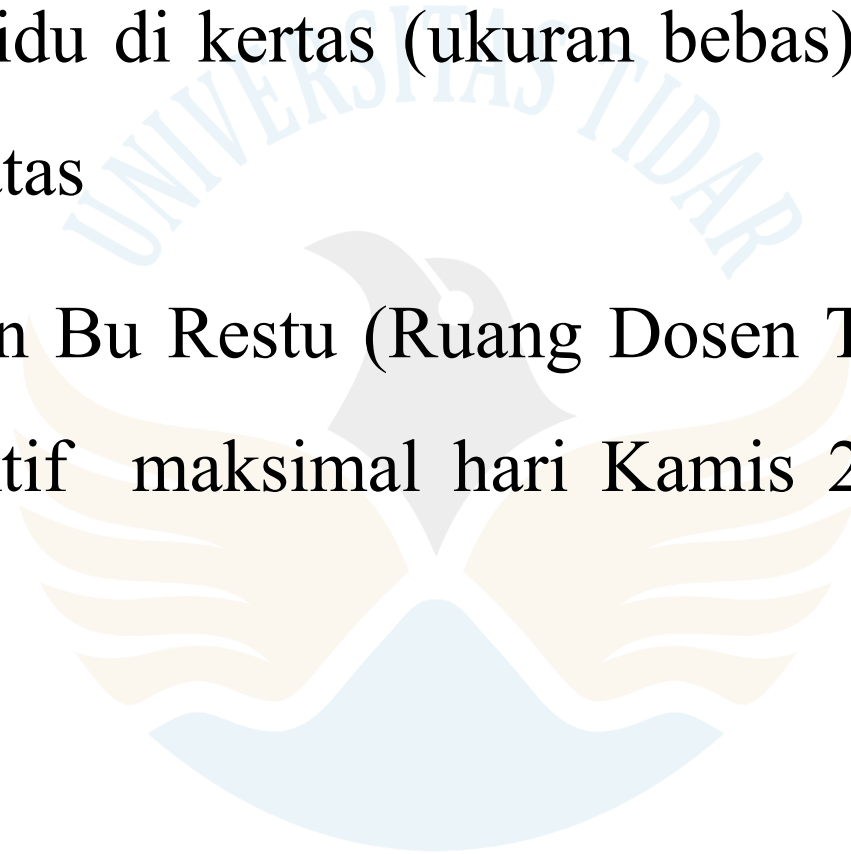


Tugas 1 – Statistika dan Probabilitas (Rombel 02)

- Kerjakan secara individu di kertas (ukuran bebas) dengan diberi Nama dan NPM di pojok kanan atas
- Kumpulkan di ruangan Bu Restu (Ruang Dosen Teknologi Informasi, FT 3 lantai 4) secara kolektif maksimal hari Kamis 26 September 2024 pukul 15.00 WIB



SOAL 1

The probability that a patient recovers from a delicate heart operation is 0.9. Of the next 100 patients having this operation, what is the probability that

- a) Between 84 and 95 inclusive survive?
- b) Fewer than 86 survive?



SOAL 2

The heights of 1000 students are normally distributed with a mean of 174.5 centimeters and a standard deviation of 6.9 centimeters. Assuming that the heights are recorded to the nearest half-centimeter, how many of these students would you expect to have heights

- a) Less than 160.0 centimeters?
- b) Between 171.5 and 182.0 centimeters inclusive?
- c) Equal to 175.0 centimeters?
- d) Greater than or equal to 188.0 centimeters?