

TUGAS MATEMATIKA DISKRIT
JILID 2



Oleh :

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Prodi : D3 Teknik Informatika PENS PSDKU Sumenep

Kelas : 1 ITA D3 Sumenep

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POLITEKNIK ELEKTRONIKA NEGERI SURABAYA

Soal!!!

- 5 - $\exists n \forall m (n < m^2)$
- 6 - $\forall n \exists m (n + m = 0)$
- 7 - $\exists n \forall m (nm = m)$
- 8 - $\exists n \exists m (n^2 + m^2 = 5)$

Jawab :

No.:

Date:

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$$1. \exists n \forall m (n < m^2)$$

$$\text{Jawab: } n: 1$$

$$m: 2$$

$$m^2: 2^2 = 4$$

$$\exists n \forall m (n < m^2) = (1 < 2^2) \\ = (1 < 4) \text{ Benar.}$$

$$2. \forall n \exists m (n + m = 0)$$

$$\text{Jawab: } n: 1$$

$$m: 0$$

$$\forall n \exists m (n + m = 0) = (1 + 0 = 0) \text{ Salah}$$

$$3. \exists n \forall m (nm = m)$$

$$\text{Jawab: } n: 1$$

$$m: 5$$

$$\exists n \forall m (nm = m) = ((1)(5) = 5) \text{ Benar}$$

$$4. \exists n \exists m (n^2 + m^2 = 5)$$

$$\text{Jawab: } n: 1, m: 2$$

$$\exists n \exists m (n^2 + m^2 = 5) = ((1)^2 + (2)^2 = 5) \rightarrow (1 + 4 = 5) \text{ Benar}$$