

Started on Friday, 12 May 2023, 5:18 PM

State Finished

Completed on Friday, 12 May 2023, 6:16 PM

Time taken 57 mins 57 secs

Grade Not yet graded

Question **1**

Correct

Mark 10.00 out of 10.00

Span dari setiap himpunan terbatas (finite set) pada vektor space harus memenuhi (closed under) aksioma penjumlahan dan perkalian skalar

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.

Question **2**

Correct

Mark 10.00 out of 10.00

Sebuah vektor space minimal terdiri dari dua buah vektor.

Select one:

☐ True

☒ False ✓

The correct answer is 'False'.

Question **3**

Incorrect

Mark 0.00 out of 10.00

Sebuah himpunan vektor adalah basis jika dan hanya jika himpunan tersebut linearly independent.

Select one:

- ☒ True ✖
- ☐ False

The correct answer is 'False'.

Question **4**

Correct

Mark 10.00 out of 10.00

Setiap ruang vektor (vektor space) adalah subruang (subspace) dari dirinya sendiri

Select one:

- ☒ True ✔
- ☐ False

The correct answer is 'True'.

Question **5**

Correct

Mark 10.00 out of 10.00

Setiap basis P_4 (polinomial berderajat 4) mengandung setidaknya satu polinomial berderajat 3 atau berderajat kurang dari 3.

Select one:

- ☐ True
- ☒ False ✔

The correct answer is 'False'.

Question **6**

Complete

Marked out of 40.00

Tunjukkan apakah vektor berikut

$(3, 0, -3, 6), (0, 2, 3, 1), (0, -2, -2, 0), (-2, 1, 2, 1)$

linearly independent atau linearly dependent di \mathbb{R}^4 .

dilembar jawaban

Question **7**

Correct

Mark 10.00 out of 10.00

Di setiap ruang vektor, vektor $(-1)\mathbf{u}$ dan $-\mathbf{u}$ adalah sama.

Select one:

☒ True ✓

☐ False

The correct answer is 'True'.