TUGAS 2

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| **Nama Kelompok** | : |  |  |
| **Ketua Kelompok** | : | (…………………………………….) | …………………………………………………………… |
| **Nama Anggota** | : | (…………………………………….) | …………………………………………………………… |
| **Validasi** |  | Penulis | Ketua |
|  |  | …………………………………… | …………………………………… |

# Konsep Transpos Matriks

* 1. Buktikan aturan ke-3 transpos matriks .

(𝑨𝑩)𝑻 = 𝑨𝑻𝑩𝑻

# Jawab:

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* 1. Buktikan aturan ke-4 transpos matriks

𝒌(𝑨)𝑻 = (𝒌𝑨)𝑻

# Jawab:

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* 1. Buktikan aturan ke-4 transpos matriks.

(𝑨𝑻)𝑻 = 𝑨

# Jawab:

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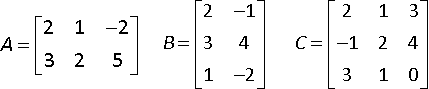
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# Operasi Transpos Matriks

Diberikan 3 buah matriks seperti berikut.



Jika memungkinkan, hitunglah:



# Jawab:

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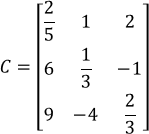
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# Operasi Baris Elementer (OBE)

Diberikan matriks C seperti berikut:



Berapakah nilai matriks C2 jika mengikuti prosedur OBE seperti di bawah ini!

1. C1 = H13(C) = ..................
2. C2 = H3(-3)(C1) = ..................
3. C3 = H23(-1)(C2) = ..................

# Jawab:

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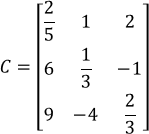
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# Operasi Kolom Elementer (OKE)

Diberikan matriks C seperti berikut:



Berapakah nilai matriks C2 jika mengikuti prosedur OKE seperti di bawah ini!

1. C1 = K13(C) = ..........................
2. C2 = K3(-3)(C1) = ..........................
3. C3 = K23(-1) = ..........................

# Jawab:

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# Matriks Eselon

Identifikasilah matriks-matriks berikut apakah termasuk Matriks Eselon Baris, Matriks Eselon Baris Terduksi, atau bukan keduanya! (berikan alasannya)

A =

B =

C =

D =

E =

F =

# Jawab:

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