

NIM:

Nama:

Kelas:

Citra asli

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|----|----|----|----|----|----|----|----|
| 3  | 0  | 29 | 12 | 12 | 21 | 12 | 11 |
| 29 | 1  | 29 | 29 | 12 | 29 | 3  | 0  |
| 29 | 30 | 3  | 0  | 4  | 12 | 20 | 21 |
| 3  | 30 | 30 | 12 | 1  | 21 | 0  | 13 |
| 30 | 0  | 30 | 29 | 12 | 29 | 1  | 21 |
| 3  | 30 | 3  | 0  | 21 | 12 | 3  | 0  |
| 29 | 1  | 29 | 21 | 1  | 29 | 31 | 1  |
| 3  | 0  | 30 | 21 | 0  | 30 | 30 | 1  |

Box filter

|               |               |               |
|---------------|---------------|---------------|
| $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ |
| $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ |
| $\frac{1}{9}$ | $\frac{1}{9}$ | $\frac{1}{9}$ |

Weighted average filter

|                |                |                |
|----------------|----------------|----------------|
| $\frac{1}{16}$ | $\frac{2}{16}$ | $\frac{1}{16}$ |
| $\frac{2}{16}$ | $\frac{4}{16}$ | $\frac{2}{16}$ |
| $\frac{1}{16}$ | $\frac{2}{16}$ | $\frac{1}{16}$ |

Mask/filter konvolusi

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|---|---|---|
| 1 | 1 | 1 |
| 1 | 3 | 1 |
| 1 | 1 | 1 |

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Citra hasil menggunakan box filter

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Citra hasil menggunakan weighted average filter

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Citra hasil filter menggunakan median filter

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Citra hasil filter menggunakan max filter

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Citra hasil filter menggunakan min filter

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Citra hasil konvolusi