

TUGAS 2

Disusun untuk memenuhi
Tugas Matakuliah Struktur Data dan Algoritma

Oleh :

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LAPORAN

Tabel Hasil Evaluasi

Jenis algoritma	Jumlah bilangan	Waktu eksekusi (ms)
Bubble Sort	100K	21904.00
	200K	90598.00
	300K	200194.00
	400K	357578.00
	500K	548305.00
	600K	788524.00
	700K	1073760.00
	800K	1401798.00
	900K	1777047.00
	1000K	2190241.00
Selection Sort	100K	9070.00
	200K	35438.00
	300K	79523.00
	400K	141335.00
	500K	220784.00
	600K	317613.00
	700K	427848.00
	800K	555661.00
	900K	703067.00
	1000K	867550.00
Insertion Sort	100K	4880.00
	200K	19065.00
	300K	42667.00
	400K	75851.00
	500K	118429.00
	600K	170582.00
	700K	232332.00
	800K	303148.00
	900K	383225.00
	1000K	473874.00

Hasil Run Program

Jenis Algoritma	Jumlah Bilangan	Waktu Eksekusi (ms)
Bubble Sort	100000	21904.00
Bubble Sort	200000	90598.00
Bubble Sort	300000	200194.00
Bubble Sort	400000	357578.00
Bubble Sort	500000	548305.00
Bubble Sort	600000	788524.00
Bubble Sort	700000	1073760.00
Bubble Sort	800000	1401798.00
Bubble Sort	900000	1777047.00
Bubble Sort	1000000	2190241.00
Selection Sort	100000	9070.00
Selection Sort	200000	35438.00
Selection Sort	300000	79523.00
Selection Sort	400000	141335.00
Selection Sort	500000	220784.00
Selection Sort	600000	317613.00
Selection Sort	700000	427848.00
Selection Sort	800000	555661.00
Selection Sort	900000	703067.00
Selection Sort	1000000	867550.00
Insertion Sort	100000	4880.00
Insertion Sort	200000	19065.00
Insertion Sort	300000	42667.00
Insertion Sort	400000	75851.00
Insertion Sort	500000	118429.00
Insertion Sort	600000	170582.00
Insertion Sort	700000	232332.00
Insertion Sort	800000	303148.00
Insertion Sort	900000	383225.00
Insertion Sort	1000000	473874.00

PS C:\Users\ASUS TUF15\Documents\lab SDA\mk>

Spesifikasi Laptop

- **ASUS TUF15**
Processor: Intel core i5-10300H
RAM:8 GB DDR4 3200MHz
Graphics: GTX 1650
Penyimpanan: 512GB SSD
Refresh Rate: 144 Hz

Link Video cara menjalankan kode program

https://drive.google.com/file/d/1PbbFrO3DfIRdf_7KTolh7bJRfISO3PC4/view?usp=sharing