Mencari Kata dalam Kamus Bahasa Inggris dengan total banyaknya halaman sebanyak 500. Kata yang dicari : Zebra

1. Cara 1 :

Linear search : O(n)

Pseudo Code :

1. Pick up the dictionary
2. Open the first page
3. Look at the page
4. If Zebra is on the page
5. Check the meaning
6. Else open the next page
7. Go back to line 3
8. Quit

Graphs :

Chart

Description automatically generated

1. Cara 2 :

Binary search : O(log2(n))

Pseudo Code :

1. Pick up the dictionary
2. Open the middle page of the dictionary
3. Look at the page
4. If Zebra is on the page
5. Check the meaning
6. Else If Zebra is earlier in the book
7. Open to middle of left half the book
8. Go back to line 3
9. Else If Zebra is later in the book
10. Open to middle of right half the book
11. Go back to line 3
12. Else
13. Quit

Graphs :

Diagram, engineering drawing

Description automatically generated

**Valentino Setiawan**