

Aplikasi Kasir Sederhana untuk Coffeeshop

LAPORAN STUDI KASUS TUGAS AOL
MATA KULIAH COMP6360004 – ALGORITHM & PROGRAMMING
KELAS LC20



DISUSUN OLEH :
2602172233 – RAYNALDY DWI KHARISMA
COMPUTER SCIENCE
SEMESTER GANJIL 2022/2023
MALANG

Daftar Isi

BAB I PENDAHULUAN	3
1. LATAR BELAKANG	3
2. KEBUTUHAN APLIKASI	3
BAB II DESAIN PROGRAM	4
BAB III SOURCE CODE.....	5
BAB IV TAMPILAN HASIL.....	24
1. Tampilan Awal.....	24
2. Tampilan Input Order.....	24
3. Tampilan Rekap Order.....	24
4. Tampilan Checkout.....	25
5. Tampilan Menu Admin.....	25
6. Tampilan View Sales	25
7. Tampilan Sort Sales	25
8. Tampilan Sort Sales Berdasarkan Nama Produk	26
9. Tampilan Sort Sales Berdasarkan Qty Produk Terjual	26
10. Tampilan Sort Sales Berdasarkan Total Pembayaran	27
11. Tampilan Search Sales	27
12. Tampilan Search Berdasarkan Nama Produk	27
13. Tampilan Search Berdasarkan Qty Penjualan.....	28
14. Tampilan Search Berdasarkan Total Pembayaran	28
15. Tampilan Search Berdasarkan Metode Pembayaran.....	28

BAB I

PENDAHULUAN

1. LATAR BELAKANG

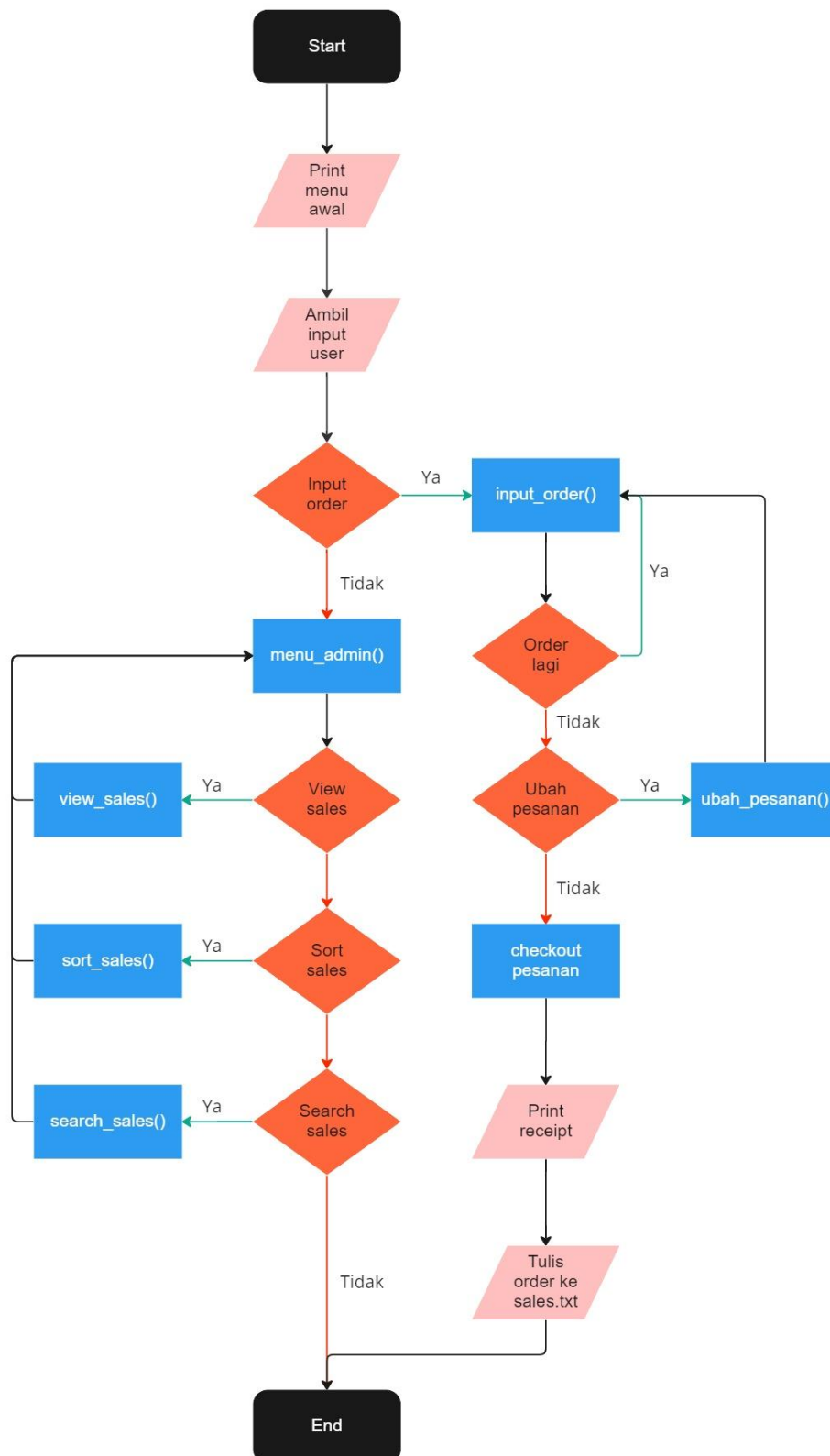
Di era yang semakin modern ini, saya sering kali melihat *coffeeshop* atau warung kopi yang masih manual dalam mencatat, merekap, dan memproses order pelanggan. Namun, sudah banyak juga *coffeeshop* yang sudah menggunakan mesin kasir otomatis yaitu aplikasi *Point of Sales* (POS). Hal ini membuat saya tertarik untuk mereplika aplikasi tersebut dalam skala kecil tetapi masih memiliki fungsi yang sama, yaitu otomatisasi order pelanggan.

2. KEBUTUHAN APLIKASI

Adapun beberapa hal yang saya butuhkan untuk membuat aplikasi tersebut:

1. Struktur kendali perulangan
 - a. Do while loop
 - b. For loop
2. Seleksi
 - a. If else
 - b. Switch case
3. Tipe data
 - a. Empat buah struct untuk mencatat menu, order, sales, waktu, dan tanggal order
 - b. Pointer bertipe const char untuk menyimpan format data read file
 - c. Int, char, float, void untuk menyimpan sesuatu dalam variable
 - d. Pointer FILE untuk membaca dan menulis file
4. Media penyimpanan
 - a. File menu.txt untuk menyimpan menu *coffeeshop*
 - b. File sales.txt untuk menyimpan sales *coffeeshop*
5. Algoritma sorting
 - a. qsort *built-in* yang terdapat di library <stdlib.h>
 - b. comparer nama – untuk sorting berdasarkan nama produk
 - c. comparer qty – untuk sorting berdasarkan kuantitas produk terjual
 - d. comparer total – untuk sorting berdasarkan total pembayaran
6. Algoritma searching
 - a. Linear search menggunakan for loops dan if else statement untuk mencari data yang sesuai dengan kriteria

BAB II DESAIN PROGRAM



BAB III

SOURCE CODE

```
#include <stdio.h>
#include <stdlib.h>
#include <ctype.h>
#include <time.h>
#include <string.h>

const char *FORMAT_DATA_READ = "%d/%d/%d, %[^,], %c, %d, %d, %s\n";

struct Sales{
    int date[4];
    char nama[50];
    char size;
    int qty;
    int total_pembayaran;
    char metode_pembayaran[20];
} array_sales[100], temp;

struct Menu{
    char nama_menu[50];
    float harga_regular;
    float harga_large;
} array_menu[50];

struct Order{
    char date[20];
    int index_order;
    char ukuran_order;
    int qty_order;
} array_order[50];

void input_order();
void load_menu();
int index_counter(char FILE_DIR[]);
```

```

void print_menu_txt();
void scan_order(int index_temp);
void rekap_order(int index_temp);
void ubah_order();
void print_receipt(char sub_input3, int index_temp);
void write_to_file(char sub_input3, int index_temp);
void menu_admin();
void sort_sales();
void search_sales();
void print_sales();

int main(){
    char input;
    printf("Aplikasi Kasir\n");
    printf("-----\n");
    printf("1. Input Order\n");
    printf("2. Admin\n");
    printf("0. Exit\n");
    printf("-----\n");
    printf("Input: "); scanf("%d", &input); getchar();
    switch(input){
        case 1:
            input_order();
            break;
        case 2:
            menu_admin();
            break;
        case 0:
            exit(0);
            break;
        default:
            printf("Input salah!\n");
            system("pause");
            system("cls");
            main();
    }
}

```

```

        return 0;
    }

void load_menu(){
    char buffer[256];
    FILE *fp;
    fp = fopen("menu.txt", "r");
    if(fp == NULL){
        printf("File menu.txt tidak ditemukan!\n");
    }

    fgets(buffer, sizeof(buffer), fp);
    int index=0;
    while(!feof(fp)){
        fscanf(fp, "%[^,], %f, %f\n",
                &array_menu[index].nama_menu,
                &array_menu[index].harga_regular,
                &array_menu[index].harga_large);
        index++;
    }
    fclose(fp);
}

```

```

int index_counter(char FILE_DIR[]){
    FILE *fp;
    int count = 0;
    char c;
    fp = fopen(FILE_DIR, "r");
    if (fp == NULL){
        return 0;
    }
    for (c = getc(fp); c != EOF; c = getc(fp)){
        if (c == '\n'){
            count = count + 1;
        }
    }
    fclose(fp);
}

```

```

        return count;
    }

void print_menu_txt(){
    int index = index_counter("menu.txt");
    printf("-----\n");
    printf("| No |          Nama          | Regular | Large | \n");
    printf("-----\n");
    for(int i=0; i<index; i++){
        printf("| %-2d | %-22s |   %.0f   |   %.0f   | \n",
                i+1,
                array_menu[i].nama_menu,
                array_menu[i].harga_reguler,
                array_menu[i].harga_large);
    }
    printf("-----\n");
}

void scan_order(int index_temp){
    printf("Pesan (No Produk): "); scanf("%d",
    &array_order[index_temp].index_order); getchar();

    printf("Ukuran (R/L): "); scanf("%c",
    &array_order[index_temp].ukuran_order); getchar();

    printf("Qty: "); scanf("%d", &array_order[index_temp].qty_order);
    getchar();
}

void rekap_order(int index_temp){
    float total=0;

    printf("-----
--\n");

    printf("| No |          Nama          | Ukuran | Harga | Qty | Total
| \n");

    printf("-----
--\n");

    for(int i=0; i<index_temp; i++){
        if(array_order[i].ukuran_order == 'R'){
            printf("| %-2d | %-22s |   %-3c |   %.0f |   %-2d |   %-6.0f
| \n",

```



```

        i+1,
        array_menu[array_order[i].index_order-1].nama_menu,
        array_order[i].ukuran_order,
        array_menu[array_order[i].index_order-
1].harga_regular,
        array_order[i].qty_order,
        (array_menu[array_order[i].index_order-
1].harga_regular * array_order[i].qty_order));
        total+=(array_menu[array_order[i].index_order-
1].harga_regular * array_order[i].qty_order);
    }
    else if(array_order[i].ukuran_order == 'L'){
        printf("| %-2d | %-22s |    %-3c | %.0f |  %-2d | %-6.0f
|\n",

        i+1,
        array_menu[array_order[i].index_order-1].nama_menu,
        array_order[i].ukuran_order,
        array_menu[array_order[i].index_order-
1].harga_large,
        array_order[i].qty_order,
        (array_menu[array_order[i].index_order-
1].harga_large * array_order[i].qty_order));
        total+=(array_menu[array_order[i].index_order-
1].harga_large * array_order[i].qty_order);
    }
}

printf("-----
--\n");

printf("\t\t\t\t\t Total Pembayaran = %.0f\n", total);
}

void ubah_order(){
    int temp;
    printf("Pilih nomor pesanan yang ingin diubah!\n");
    printf("Input: "); scanf("%d", &temp); getchar();
    print_menu_txt();
    scan_order(temp-1);
}

```

```

void print_receipt(char sub_input3, int index_temp){
    printf("-----
--\n");
    printf("|\\t\\t\\tIP Cafe 2\\t\\t\\t      |\\n");
    printf("-----
--\n");
    time_t t = time(NULL);
    struct tm tm = *localtime(&t);
    printf("| %d/%02d/%02d\\t\\t", tm.tm_mday, tm.tm_mon + 1, tm.tm_year +
1900);
    if(sub_input3 == '1'){
        printf("\\t\\t\\t\\t Cash |\\n");
    }
    else if(sub_input3 == '2'){
        printf("\\t\\t\\t\\t QRIS |\\n");
    }
    else if(sub_input3 == '3'){
        printf("\\t\\t\\t      E-Wallet |\\n");
    }

    printf("| %02d:%02d:%02d\\t\\t\\t\\t\\t\\t\\t      |\\n", tm.tm_hour,
tm.tm_min, tm.tm_sec);
    rekap_order(index_temp);
}

```

```

void write_to_file(char sub_input3, int index_temp){
    time_t t = time(NULL);
    struct tm tm = *localtime(&t);
    FILE *fp;
    fp = fopen("sales.txt", "a");
    for(int i=0; i<index_temp; i++){
        if(toupper(array_order[i].ukuran_order) == 'R' && sub_input3 ==
'1'){
            fprintf(fp, "%d/%d/%d, %s, %c, %d, %.0f, Cash\\n",
                    tm.tm_mday, tm.tm_mon + 1, tm.tm_year + 1900,
                    array_menu[array_order[i].index_order-1].nama_menu,
                    array_order[i].ukuran_order,
                    array_order[i].qty_order,
                    (array_menu[array_order[i].index_order-
1].harga_regular * array_order[i].qty_order));

```

```

    }

    else if(toupper(array_order[i].ukuran_order) == 'R' &&
sub_input3 =='2'){

        fprintf(fp, "%d/%d/%d, %s, %c, %d, %.0f, QRIS\n",
                tm.tm_mday, tm.tm_mon + 1, tm.tm_year + 1900,
                array_menu[array_order[i].index_order-1].nama_menu,
                array_order[i].ukuran_order,
                array_order[i].qty_order,
                (array_menu[array_order[i].index_order-
1].harga_regular * array_order[i].qty_order));

    }

    else if(toupper(array_order[i].ukuran_order) == 'R' &&
sub_input3 =='3'){

        fprintf(fp, "%d/%d/%d, %s, %c, %d, %.0f, E-Wallet\n",
                tm.tm_mday, tm.tm_mon + 1, tm.tm_year + 1900,
                array_menu[array_order[i].index_order-1].nama_menu,
                array_order[i].ukuran_order,
                array_order[i].qty_order,
                (array_menu[array_order[i].index_order-
1].harga_regular * array_order[i].qty_order));

    }

    else if(toupper(array_order[i].ukuran_order) == 'L' &&
sub_input3 == '1'){

        fprintf(fp, "%d/%d/%d, %s, %c, %d, %.0f, Cash\n",
                tm.tm_mday, tm.tm_mon + 1, tm.tm_year + 1900,
                array_menu[array_order[i].index_order-1].nama_menu,
                array_order[i].ukuran_order,
                array_order[i].qty_order,
                (array_menu[array_order[i].index_order-
1].harga_large * array_order[i].qty_order));

    }

    else if(toupper(array_order[i].ukuran_order) == 'L' &&
sub_input3 =='2'){

        fprintf(fp, "%d/%d/%d, %s, %c, %d, %.0f, QRIS\n",
                tm.tm_mday, tm.tm_mon + 1, tm.tm_year + 1900,
                array_menu[array_order[i].index_order-1].nama_menu,
                array_order[i].ukuran_order,
                array_order[i].qty_order,

```

```

            (array_menu[array_order[i].index_order-
1].harga_large * array_order[i].qty_order));
        }
        else if(toupper(array_order[i].ukuran_order) == 'L' &&
sub_input3 =='3'){
            fprintf(fp, "%d/%d/%d, %s, %c, %d, %.0f, E-Wallet\n",
                tm.tm_mday, tm.tm_mon + 1, tm.tm_year + 1900,
                array_menu[array_order[i].index_order-1].nama_menu,
                array_order[i].ukuran_order,
                array_order[i].qty_order,
                (array_menu[array_order[i].index_order-
1].harga_large * array_order[i].qty_order));
        }
    }
    fclose(fp);
}

```

```

void input_order(){
    char sub_input;
    char sub_input2;
    char sub_input3;
    int index_temp=0;
    do{
        system("cls");
        load_menu();
        print_menu_txt();
        scan_order(index_temp);
        index_temp++;
        printf("Pesan lagi? (Y/N)\n");
        printf("Input: "); scanf("%c", &sub_input); getchar();
    }while(toupper(sub_input)!='N');
    do{
        system("cls");
        rekap_order(index_temp);
        printf("\n");
        printf("1. Ubah pesanan\n");
        printf("2. Checkout\n");
    }
}

```

```

        printf("Input: "); scanf("%c", &sub_input2); getchar();
        if(sub_input2 == '1'){
            ubah_order();
        }
    }while(sub_input2!='2');
    printf("Pilih metode pembayaran\n");
    printf("1. Cash\n");
    printf("2. QRIS\n");
    printf("3. E-Wallet\n");
    printf("Input: "); scanf("%c", &sub_input3); getchar();
    system("cls");
    print_receipt(sub_input3, index_temp);
    write_to_file(sub_input3, index_temp);
    system("pause");
    system("cls");
    main();
}

void print_array_sales(int i){
    printf("| %-2d | %d/%d/%d | %-22s | %-3c | %-3d | %-6d | %-8s |\n",
        i+1,
        array_sales[i].date[0],
        array_sales[i].date[1],
        array_sales[i].date[2],
        array_sales[i].nama,
        array_sales[i].size,
        array_sales[i].qty,
        array_sales[i].total_pembayaran,
        array_sales[i].metode_pembayaran);
}

void initialize_data(){
    FILE *fp;

    int file_index = index_counter("sales.txt");
    fp = fopen("sales.txt", "r");
    for(int i=0; i<file_index; i++){

```

```

        fscanf(fp, FORMAT_DATA_READ,
               &array_sales[i].date[0],
               &array_sales[i].date[1],
               &array_sales[i].date[2],
               &array_sales[i].nama,
               &array_sales[i].size,
               &array_sales[i].qty,
               &array_sales[i].total_pembayaran,
               &array_sales[i].metode_pembayaran);
    }
    fclose(fp);
}

void view_sales(){
    int file_index = index_counter("sales.txt");
    initialize_data();
    system("cls");
    print_sales();
}

void print_sales(){
    int file_index = index_counter("sales.txt");
    printf("-----\n");
    printf("| No | Tanggal | Nama | Size | Qty | Total | Metode |\n");
    printf("-----\n");
    for(int i=0; i<file_index; i++){
        print_array_sales(i);
    }
    printf("-----\n");
}

typedef int (*compfn)(const void*, const void*);

int compare_nama(struct Sales *elem1, struct Sales *elem2){

```

```

        if(strcasecmp(elem1->nama, elem2->nama) < 0){
            return -1;
        }
        else if(strcasecmp(elem1->nama, elem2->nama) > 0){
            return 1;
        }
        return 0;
    }

int compare_qty(struct Sales *elem1, struct Sales *elem2){
    if(elem1->qty < elem2->qty){
        return -1;
    }
    else if(elem1->qty > elem2->qty){
        return 1;
    }
    return 0;
}

int compare_total(struct Sales *elem1, struct Sales *elem2){
    if(elem1->total_pembayaran < elem2->total_pembayaran){
        return -1;
    }
    else if(elem1->total_pembayaran > elem2->total_pembayaran){
        return 1;
    }
    return 0;
}

void sort_sales(){
    int file_index = index_counter("sales.txt");
    int sub_input;
    initialize_data();
    system("cls");
    printf("Sort berdasarkan:\n");
    printf("-----\n");

```

```

printf("1. Nama Produk\n");
printf("2. Qty\n");
printf("3. Total\n");
printf("0. Back\n");
printf("-----\n");
printf("Input: "); scanf("%d", &sub_input); getchar();
switch(sub_input){
    case 1:
        qsort((void *) &array_sales, file_index, sizeof(struct
Sales), (compfn)compare_nama);
        system("cls");
        printf("Sort Berdasarkan Nama Produk\n");
        print_sales();
        system("pause");
        sort_sales();
        break;
    case 2:
        qsort((void *) &array_sales, file_index, sizeof(struct
Sales), (compfn)compare_qty);
        system("cls");
        printf("Sort Berdasarkan Qty Produk Terjual\n");
        print_sales();
        system("pause");
        sort_sales();
        break;
    case 3:
        qsort((void *) &array_sales, file_index, sizeof(struct
Sales), (compfn)compare_total);
        system("cls");
        printf("Sort Berdasarkan Nama Produk\n");
        print_sales();
        system("pause");
        sort_sales();
        break;
    case 0:
        menu_admin();
        break;
}

```



```

        default:
            printf("Input salah!\n");
            system("pause");
            sort_sales();
            break;
    }
}

void search_by_name() {
    char key[25];
    int found;
    int file_index=index_counter("sales.txt");
    system("cls");
    printf("Masukkan nama produk yang akan dicari : ");
    scanf("%s", key);
    getchar();
    found=0;
    for(int i=0; i<file_index; i++){
        if(strstr(array_sales[i].nama, key) != NULL){
            found = 1;
        }
    }
    if(found==0){
        printf("Data tidak ditemukan\n");
        system("pause");
        search_sales();
    }
    else{
        printf("-----\n");
        printf("
| Total | No | Tanggal | Nama | Size | Qty
| Metode | \n");
        printf("-----\n");
        for(int i=0; i<file_index; i++){
            if(strstr(array_sales[i].nama, key) != NULL){
                print_array_sales(i);
            }
        }
    }
}

```

```

        }

    }

    printf("-----\n");

}

system("pause");
search_sales();
}

void search_by_qty(){
    char key[25];
    int found, high, low;
    int file_index=index_counter("sales.txt");
    system("cls");
    printf("Masukkan qty terendah : ");
    scanf("%d", &low);
    printf("Masukkan qty tertinggi : ");
    scanf("%d", &high);
    for(int i = 0; i < file_index; i++){
        if(array_sales[i].qty >= low && array_sales[i].qty <= high){
            found=1;
        };
    }
    if (found == 0){
        printf("Data tidak ditemukan\n");
        system("pause");
        search_sales();
    }
    else{
        printf("-----\n");
        printf("| No | Tanggal | Nama | Size | Qty\n");
        printf("-----\n");
        for(int i = 0; i < file_index; i++){
            if(array_sales[i].qty >= low && array_sales[i].qty <= high){
                print_array_sales(i);
            }
        }
    }
}

```

```

        }
    }
    printf("-----\n");
}
}

void search_by_sales() {
    char key[25];
    int found, high, low;
    int file_index=index_counter("sales.txt");
    system("cls");
    printf("Masukkan pembayaran terendah : ");
    scanf("%d", &low);
    printf("Masukkan pembayaran tertinggi : ");
    scanf("%d", &high);
    for(int i = 0; i < file_index; i++){
        if(array_sales[i].total_pembayaran >= low &&
array_sales[i].total_pembayaran <= high){
            found=1;
        };
    }
    if (found == 0){
        printf("Data tidak ditemukan\n");
        system("pause");
        search_sales();
    }
    else{
        printf("-----\n");
        printf("| No | Tanggal | Nama | Size | Qty\n");
        printf("-----\n");
        for(int i = 0; i < file_index; i++){
            if(array_sales[i].total_pembayaran >= low &&
array_sales[i].total_pembayaran <= high){
                print_array_sales(i);
            }

```

```

        }

        printf("-----\n");
    }
}

void search_by_method() {
    char key[25];
    int found;
    int file_index=index_counter("sales.txt");
    system("cls");
    printf("Masukkan metode pembayaran yang akan dicari : ");
    scanf("%s", key);
    getchar();
    found=0;
    for(int i=0; i<file_index; i++){
        if(strstr(array_sales[i].metode_pembayaran, key) != NULL){
            found = 1;
        }
    }
    if(found==0){
        printf("Data tidak ditemukan\n");
        system("pause");
        search_sales();
    }
    else{
        printf("-----\n");
        printf("
| Total | No | Tanggal | Nama | Size | Qty
| Metode | \n");
        printf("-----\n");

        for(int i=0; i<file_index; i++){
            if(strstr(array_sales[i].metode_pembayaran, key) != NULL){
                print_array_sales(i);
            }
        }
    }
}

```

```

        printf("-----\n");
    }

    system("pause");
    search_sales();
}

void search_sales(){
    int file_index = index_counter("sales.txt");
    int sub_input;
    char key[25];
    int found;
    int high, low;
    initialize_data();
    system("cls");
    printf("Search berdasarkan:\n");
    printf("-----\n");
    printf("1. Nama Produk\n");
    printf("2. Qty\n");
    printf("3. Total Pembayaran\n");
    printf("4. Metode Pembayaran\n");
    printf("0. Back\n");
    printf("-----\n");
    printf("Input: "); scanf("%d", &sub_input); getchar();
    switch(sub_input){
        case 1:
            search_by_name();
            break;
        case 2:
            search_by_qty();
            break;
        case 3:
            search_by_sales();
            break;
        case 4:
            search_by_method();
    }
}

```

```

        break;
    case 0:
        menu_admin();
        break;
    default:
        printf("Input salah!\n");
        system("pause");
        sort_sales();
        break;
    }
}

void menu_admin(){
    char sub_input;
    system("cls");
    printf("Menu Admin\n");
    printf("-----\n");
    printf("1. View Sales\n");
    printf("2. Sort Sales\n");
    printf("3. Search Sales\n");
    printf("0. Back\n");
    printf("-----\n");
    printf("Input: "); scanf("%d", &sub_input); getchar();
    switch(sub_input){
        case 1:
            view_sales();
            system("pause");
            menu_admin();
            break;
        case 2:
            sort_sales();
            break;
        case 3:
            search_sales();
            break;
        case 0:

```

```
        system("cls");
        main();
        break;
default:
    printf("Input salah!\n");
    system("pause");
    menu_admin();
    break;
    }
}
```

BAB IV TAMPILAN HASIL

1. Tampilan Awal

```
D:\AOL\kasir_app.exe
Aplikasi Kasir
-----
1. Input Order
2. Admin
0. Exit
-----
Input: _
```

2. Tampilan Input Order

```
D:\AOL\kasir_app.exe
-----
| No | Nama | Regular | Large |
-----
| 1 | Americano | 15000 | 18000 |
| 2 | Es Kopi Susu Aren | 18000 | 21000 |
| 3 | Caffe Latte | 21000 | 24000 |
| 4 | Capuccino | 18000 | 21000 |
| 5 | Honey Americano | 21000 | 24000 |
| 6 | Caramel Macchiato | 21000 | 24000 |
| 7 | Asian Dolce Latte | 21000 | 24000 |
| 8 | Vanilla Latte | 21000 | 24000 |
| 9 | Caramel Latte | 21000 | 24000 |
| 10 | Hazelnut Latte | 21000 | 24000 |
| 11 | Boba Brown Sugar | 27000 | 30000 |
| 12 | Cotton Candy Latte | 27000 | 30000 |
| 13 | Mochaccino Vanilla | 27000 | 30000 |
| 14 | Java Chip | 24000 | 27000 |
| 15 | Chocoberry | 27000 | 30000 |
| 16 | Choco Banana | 27000 | 30000 |
| 17 | Choco Tiramisu | 27000 | 30000 |
| 18 | Matcha Latte | 24000 | 27000 |
| 19 | Matchapresso | 24000 | 27000 |
| 20 | Ice Shaken Boba Tea | 18000 | 21000 |
| 21 | Teh Macchiato | 20000 | 23000 |
| 22 | Hot Tea | 15000 | 18000 |
-----
Pesan (No Produk):
```

3. Tampilan Rekap Order

```
D:\AOL\kasir_app.exe
-----
| No | Nama | Ukuran | Harga | Qty | Total |
-----
| 1 | Americano | R | 15000 | 1 | 15000 |
| 2 | Es Kopi Susu Aren | L | 21000 | 1 | 21000 |
-----
Total Pembayaran = 36000
1. Ubah pesanan
2. Checkout
Input:
```


4. Tampilan Checkout

D:\AOL\kasir_app.exe

IP Cafe 2					
26/01/2023				E-Wallet	
10:18:26					
No	Nama	Ukuran	Harga	Qty	Total
1	Americano	R	15000	1	15000
2	Es Kopi Susu Aren	L	21000	1	21000
Total Pembayaran = 36000					

Press any key to continue . . .

5. Tampilan Menu Admin

D:\AOL\kasir_app.exe

Menu Admin

1. View Sales
2. Sort Sales
3. Search Sales
0. Back

Input: _

6. Tampilan View Sales

D:\AOL\kasir_app.exe

No	Tanggal	Nama	Size	Qty	Total	Metode
1	25/1/2023	Americano	R	1	15000	Cash
2	25/1/2023	Caffe Latte	R	2	42000	Cash
3	25/1/2023	Americano	R	8	120000	Cash
4	25/1/2023	Es Kopi Susu Aren	L	20	420000	E-Wallet
5	25/1/2023	Teh Macchiato	R	8	160000	Cash
6	25/1/2023	Caffe Latte	L	2	48000	Cash
7	25/1/2023	Capuccino	L	3	63000	QRIS
8	25/1/2023	Es Kopi Susu Aren	L	1	21000	Cash
9	25/1/2023	Vanilla Latte	L	1	24000	E-Wallet
10	25/1/2023	Teh Macchiato	L	20	460000	E-Wallet
11	25/1/2023	Mochaccino Vanilla	R	2	54000	E-Wallet
12	26/1/2023	Hazelnut Latte	L	1	24000	E-Wallet
13	26/1/2023	Choco Banana	L	1	30000	E-Wallet
14	26/1/2023	Ice Shaken Boba Tea	R	2	36000	E-Wallet
15	26/1/2023	Caffe Latte	r	2	42000	E-Wallet
16	26/1/2023	Americano	R	1	15000	E-Wallet
17	26/1/2023	Es Kopi Susu Aren	L	1	21000	E-Wallet

Press any key to continue . . .

7. Tampilan Sort Sales

D:\AOL\kasir_app.exe

Sort berdasarkan:

1. Nama Produk
2. Qty
3. Total
0. Back

Input:

8. Tampilan Sort Sales Berdasarkan Nama Produk

D:\AOL\kasir_app.exe

Sort Berdasarkan Nama Produk

No	Tanggal	Nama	Size	Qty	Total	Metode
1	26/1/2023	Americano	R	1	15000	E-Wallet
2	25/1/2023	Americano	R	8	120000	Cash
3	25/1/2023	Americano	R	1	15000	Cash
4	26/1/2023	Caffe Latte	r	2	42000	E-Wallet
5	25/1/2023	Caffe Latte	R	2	42000	Cash
6	25/1/2023	Caffe Latte	L	2	48000	Cash
7	25/1/2023	Capuccino	L	3	63000	QRIS
8	26/1/2023	Choco Banana	L	1	30000	E-Wallet
9	25/1/2023	Es Kopi Susu Aren	L	20	420000	E-Wallet
10	26/1/2023	Es Kopi Susu Aren	L	1	21000	E-Wallet
11	25/1/2023	Es Kopi Susu Aren	L	1	21000	Cash
12	26/1/2023	Hazelnut Latte	L	1	24000	E-Wallet
13	26/1/2023	Ice Shaken Boba Tea	R	2	36000	E-Wallet
14	25/1/2023	Mochaccino Vanilla	R	2	54000	E-Wallet
15	25/1/2023	Teh Macchiato	R	8	160000	Cash
16	25/1/2023	Teh Macchiato	L	20	460000	E-Wallet
17	25/1/2023	Vanilla Latte	L	1	24000	E-Wallet

Press any key to continue . . .

9. Tampilan Sort Sales Berdasarkan Qty Produk Terjual

D:\AOL\kasir_app.exe

Sort Berdasarkan Qty Produk Terjual

No	Tanggal	Nama	Size	Qty	Total	Metode
1	25/1/2023	Americano	R	1	15000	Cash
2	26/1/2023	Americano	R	1	15000	E-Wallet
3	26/1/2023	Choco Banana	L	1	30000	E-Wallet
4	26/1/2023	Hazelnut Latte	L	1	24000	E-Wallet
5	25/1/2023	Vanilla Latte	L	1	24000	E-Wallet
6	25/1/2023	Es Kopi Susu Aren	L	1	21000	Cash
7	26/1/2023	Es Kopi Susu Aren	L	1	21000	E-Wallet
8	25/1/2023	Caffe Latte	R	2	42000	Cash
9	26/1/2023	Caffe Latte	r	2	42000	E-Wallet
10	25/1/2023	Mochaccino Vanilla	R	2	54000	E-Wallet
11	26/1/2023	Ice Shaken Boba Tea	R	2	36000	E-Wallet
12	25/1/2023	Caffe Latte	L	2	48000	Cash
13	25/1/2023	Capuccino	L	3	63000	QRIS
14	25/1/2023	Teh Macchiato	R	8	160000	Cash
15	25/1/2023	Americano	R	8	120000	Cash
16	25/1/2023	Es Kopi Susu Aren	L	20	420000	E-Wallet
17	25/1/2023	Teh Macchiato	L	20	460000	E-Wallet

Press any key to continue . . .

10. Tampilan Sort Sales Berdasarkan Total Pembayaran

D:\AOL\kasir_app.exe

Sort Berdasarkan Nama Produk

No	Tanggal	Nama	Size	Qty	Total	Metode
1	26/1/2023	Americano	R	1	15000	E-Wallet
2	25/1/2023	Americano	R	1	15000	Cash
3	26/1/2023	Es Kopi Susu Aren	L	1	21000	E-Wallet
4	25/1/2023	Es Kopi Susu Aren	L	1	21000	Cash
5	26/1/2023	Hazelnut Latte	L	1	24000	E-Wallet
6	25/1/2023	Vanilla Latte	L	1	24000	E-Wallet
7	26/1/2023	Choco Banana	L	1	30000	E-Wallet
8	26/1/2023	Ice Shaken Boba Tea	R	2	36000	E-Wallet
9	26/1/2023	Caffe Latte	r	2	42000	E-Wallet
10	25/1/2023	Caffe Latte	R	2	42000	Cash
11	25/1/2023	Caffe Latte	L	2	48000	Cash
12	25/1/2023	Mochaccino Vanilla	R	2	54000	E-Wallet
13	25/1/2023	Capuccino	L	3	63000	QRIS
14	25/1/2023	Americano	R	8	120000	Cash
15	25/1/2023	Teh Macchiato	R	8	160000	Cash
16	25/1/2023	Es Kopi Susu Aren	L	20	420000	E-Wallet
17	25/1/2023	Teh Macchiato	L	20	460000	E-Wallet

Press any key to continue . . .

11. Tampilan Search Sales

D:\AOL\kasir_app.exe

Search berdasarkan:

- 1. Nama Produk
- 2. Qty
- 3. Total Pembayaran
- 4. Metode Pembayaran
- 0. Back

Input:

12. Tampilan Search Berdasarkan Nama Produk

D:\AOL\kasir_app.exe

Masukkan nama produk yang akan dicari : cino

No	Tanggal	Nama	Size	Qty	Total	Metode
7	25/1/2023	Capuccino	L	3	63000	QRIS
11	25/1/2023	Mochaccino Vanilla	R	2	54000	E-Wallet

Press any key to continue . . .

13. Tampilan Search Berdasarkan Qty Penjualan

D:\AOL\kasir_app.exe

Masukkan qty terendah : 1
Masukkan qty tertinggi : 10

No	Tanggal	Nama	Size	Qty	Total	Metode
1	25/1/2023	Americano	R	1	15000	Cash
2	25/1/2023	Caffe Latte	R	2	42000	Cash
3	25/1/2023	Americano	R	8	120000	Cash
5	25/1/2023	Teh Macchiato	R	8	160000	Cash
6	25/1/2023	Caffe Latte	L	2	48000	Cash
7	25/1/2023	Capuccino	L	3	63000	QRIS
8	25/1/2023	Es Kopi Susu Aren	L	1	21000	Cash
9	25/1/2023	Vanilla Latte	L	1	24000	E-Wallet
11	25/1/2023	Mochaccino Vanilla	R	2	54000	E-Wallet
12	26/1/2023	Hazelnut Latte	L	1	24000	E-Wallet
13	26/1/2023	Choco Banana	L	1	30000	E-Wallet
14	26/1/2023	Ice Shaken Boba Tea	R	2	36000	E-Wallet
15	26/1/2023	Caffe Latte	r	2	42000	E-Wallet
16	26/1/2023	Americano	R	1	15000	E-Wallet
17	26/1/2023	Es Kopi Susu Aren	L	1	21000	E-Wallet

Press any key to continue . . .

14. Tampilan Search Berdasarkan Total Pembayaran

D:\AOL\kasir_app.exe

Masukkan pembayaran terendah : 10000
Masukkan pembayaran tertinggi : 50000

No	Tanggal	Nama	Size	Qty	Total	Metode
1	25/1/2023	Americano	R	1	15000	Cash
2	25/1/2023	Caffe Latte	R	2	42000	Cash
6	25/1/2023	Caffe Latte	L	2	48000	Cash
8	25/1/2023	Es Kopi Susu Aren	L	1	21000	Cash
9	25/1/2023	Vanilla Latte	L	1	24000	E-Wallet
12	26/1/2023	Hazelnut Latte	L	1	24000	E-Wallet
13	26/1/2023	Choco Banana	L	1	30000	E-Wallet
14	26/1/2023	Ice Shaken Boba Tea	R	2	36000	E-Wallet
15	26/1/2023	Caffe Latte	r	2	42000	E-Wallet
16	26/1/2023	Americano	R	1	15000	E-Wallet
17	26/1/2023	Es Kopi Susu Aren	L	1	21000	E-Wallet

Process exited after 760.3 seconds with return value 0
Press any key to continue . . .

15. Tampilan Search Berdasarkan Metode Pembayaran

D:\AOL\kasir_app.exe

Masukkan metode pembayaran yang akan dicari : E-

No	Tanggal	Nama	Size	Qty	Total	Metode
4	25/1/2023	Es Kopi Susu Aren	L	20	420000	E-Wallet
9	25/1/2023	Vanilla Latte	L	1	24000	E-Wallet
10	25/1/2023	Teh Macchiato	L	20	460000	E-Wallet
11	25/1/2023	Mochaccino Vanilla	R	2	54000	E-Wallet
12	26/1/2023	Hazelnut Latte	L	1	24000	E-Wallet
13	26/1/2023	Choco Banana	L	1	30000	E-Wallet
14	26/1/2023	Ice Shaken Boba Tea	R	2	36000	E-Wallet
15	26/1/2023	Caffe Latte	r	2	42000	E-Wallet
16	26/1/2023	Americano	R	1	15000	E-Wallet
17	26/1/2023	Es Kopi Susu Aren	L	1	21000	E-Wallet

Press any key to continue . . .