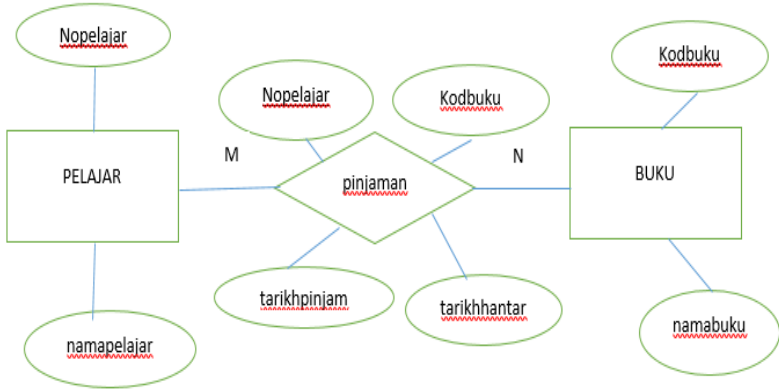


**SKEMA JAWAPAN PERCUBAAN SAINS KOMPUTER TAHUN 2021 DAERAH KOTA TINGGI**

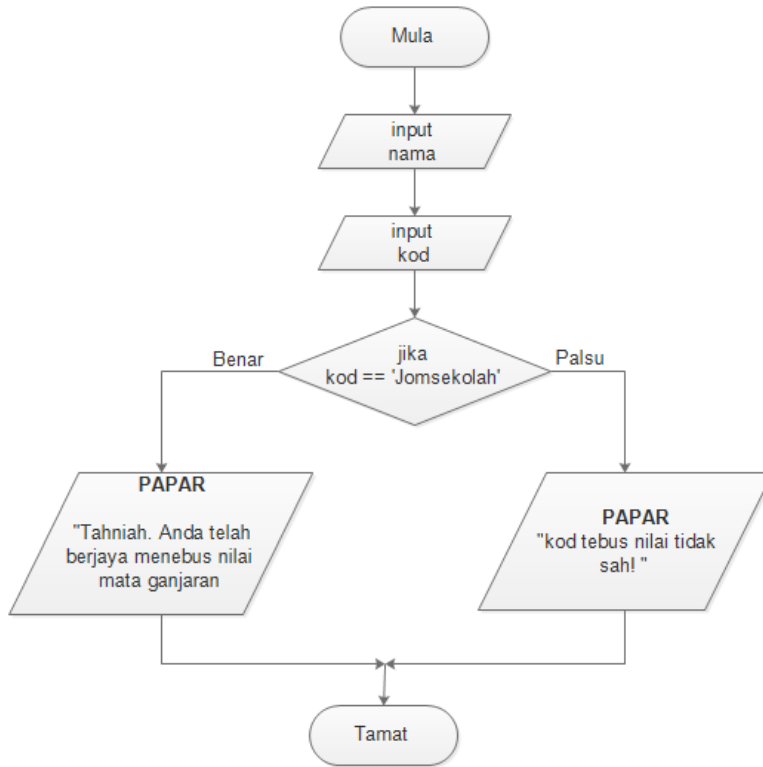
| BAHAGIAN A |   |       |                       |         |        |             |
|------------|---|-------|-----------------------|---------|--------|-------------|
| 1          | i. Struktur kawalan pilihan / struktur kawalan dwipilihan |       |                       |         |        | 1           |
|            | ii. JIKA suhu > 36 DAN suhu < 37.5                        |       |                       |         |        | 2           |
| 2          | Jenis Data  |       | Saiz ingatan komputer |         |        | 1           |
|            | Integer   |       | 4 bait                |         |        | 1           |
|            | Double  |       | 8 bait                |         |        | 1           |
|            | Char  |       | 2 bait                |         |        | 1           |
|            | Boolean   |       | 1 bit                 |         |        | 1           |
| 3          | X: local/setempat   |       |                       |         |        | 1           |
|            | Y : global/sejagat  |       |                       |         |        | 1           |
| 4          | A : Do-while  |       |                       |         |        | 1           |
|            | C : While   |       |                       |         |        | 1           |
| 5          | == (1 markah) = <i>sahaja tidak diterima</i>              |       |                       |         |        | 1           |
|            | && (1 markah) & <i>sahaja tidak diterima</i>              |       |                       |         |        | 1           |
|            | <= (1 markah) < <i>sahaja tidak diterima</i>              |       |                       |         |        | 1           |
| 6          | i   | i < 3 | point[i]              | jumlah  | Output | 1<br>markah |
|            | 0   | Benar | 12                    | 0 + 12  | 12     |             |
|            | 1   | Benar | 9                     | 12 + 9  | 31     |             |
|            | 2   | Benar | 25                    | 31 + 25 | 56     |             |
|            | 3   | Palsu | -                     | -       | -      |             |
|            |   |       |                       |         |        | 1<br>markah |

|    |  |                  |   |   |             |
|----|--|------------------|---|---|-------------|
|    | Jumlah point ialah :<br>56   | 1                |   |   |             |
| 7  | Mengisytiharkan tatasusunan  | 2                |   |   |             |
| 8  | I. Tarikh Hantar<br>II. kebergantungan transitif<br>III. kebergantungan transitif  | 1<br>1<br>2      |   |   |             |
| 9  | Pengkalan data ialah koleksi bersepadu bagi rekod data, fail ataupun objek-objek pengkalan data.   | 1                |   |   |             |
| 10 | P : Konsistensi<br>Q : Boleh dipelajari<br>R: Mudah difahami<br>S: Kebolehan menjangka   | 1<br>1<br>1<br>1 |   |   |             |
| 11 | <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">R</td> <td style="text-align: center;">Q</td> <td style="text-align: center;">P</td> </tr> </table> | R                | Q | P | 1<br>1<br>1 |
| R  | Q  | P                |   |   |             |
| 12 | X : Unit Kawalan<br>Y : Unit Aritmetik dan Logik   | 1<br>1           |   |   |             |
| 13 | X TAKATAU / XNOR   | 1                |   |   |             |

| 14        | <table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 33%;"><b>i</b></td> <td style="width: 33%;"><b>ii</b></td> <td style="width: 33%;"><b>iii</b></td> </tr> <tr> <td><math>\bar{A}</math></td> <td><math>\bar{A}.B</math></td> <td><math>A+\bar{A}</math></td> </tr> </table>   | <b>i</b>    | <b>ii</b> | <b>iii</b> | $\bar{A}$ | $\bar{A}.B$ | $A+\bar{A}$ | 1<br>1<br>1 |   |   |   |   |   |   |   |   |   |   |   |                      |
|-----------|---|-------------|-----------|------------|-----------|-------------|-------------|-------------|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| <b>i</b>  | <b>ii</b>   | <b>iii</b>  |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| $\bar{A}$ | $\bar{A}.B$   | $A+\bar{A}$ |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| 15        | <p><i>a.</i> <math>X = A + \bar{B}</math></p> <p><i>b.</i></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">INPUT</th> <th>OUTPUT</th> </tr> <tr> <th>A</th> <th>B</th> <th>X</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>1</td> </tr> <tr> <td>0</td> <td>1</td> <td>0</td> </tr> <tr> <td>1</td> <td>0</td> <td>1</td> </tr> <tr> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table> | INPUT       |           | OUTPUT     | A         | B           | X           | 0           | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1<br><br>1<br>1<br>1 |
| INPUT     |   | OUTPUT      |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| A         | B   | X           |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| 0         | 0   | 1           |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| 0         | 1   | 0           |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| 1         | 0   | 1           |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| 1         | 1   | 1           |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| 16        | Data Manipulation Language atau Bahasa Pengolahan Data (DML)  | 1           |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| 17        | Keadaan ternormal rajah : 1NF.<br>Justifikasi : Terdapat kebergantungan fungsi separa.  | 2           |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| 18        | <p>a) color: green;</p> <p>b) CSS - Cascading Style Sheet</p> <p>c) i. membenarkan perubahan kepada gaya sesuatu halaman web<br/>ii. menerangkan persembahan bagi sesuatu dokumen HTML</p>  | 1<br>1<br>1 |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |
| 19        | pengesahsahihan (validation)  | 1           |           |            |           |             |             |             |   |   |   |   |   |   |   |   |   |   |   |                      |

|                   |  |  |
|-------------------|--|--|
| 20                | alert  | 2  |
| <b>BAHAGIAN B</b> |  |  |
| 1                 | <p>a) PELAJAR , BUKU</p> <p>b)</p>  <p>Entiti PELAJAR, BUKU ,</p> <p>Atribut setiap entiti</p> <p>Kunci Primer</p> <p>Kekardinalan</p>               | <p>2</p> <p>2</p> <p>3</p> <p>2</p> <p>1</p> |
| 2                 | <p>a)</p> <pre>CREATE TABLE Barang (     IDBarang varchar(6) PRIMARY KEY,     NamaBarang varchar(40) NOT NULL,     Jenama varchar(30),     HargaSeunit float(5,2) )</pre> <p>b)</p> <pre>ALTER TABLE Barang ADD kuantiti int(3);</pre> | <p>3</p> <p>2</p>                            |

|                  | <p>c)</p> <table border="1" data-bbox="379 250 1045 609"> <thead> <tr> <th>NamaBarang</th> <th>HargaSeunit</th> </tr> </thead> <tbody> <tr> <td><i>Headphone</i></td> <td>25.00</td> </tr> <tr> <td>Kipas Dinding</td> <td>150.00</td> </tr> <tr> <td>Monitor</td> <td>200.00</td> </tr> <tr> <td>Pencetak</td> <td>250.00</td> </tr> <tr> <td><i>Router</i></td> <td>170.00</td> </tr> </tbody> </table> <p>d)</p> <p>INSERT INTO Barang (IDBarang, NamaBarang, Jenama, HargaSeunit)<br/>VALUES ("008", "CD-Rom", "Samsung", "200.00");</p> <p>e)</p> <p>DELETE FROM Barang<br/>Where Jenama= "Samsung";</p> | NamaBarang                 | HargaSeunit | <i>Headphone</i> | 25.00 | Kipas Dinding | 150.00 | Monitor | 200.00 | Pencetak | 250.00 | <i>Router</i> | 170.00 | <p>2</p> <p>2</p> <p>1</p> |
|------------------|---|----------------------------|-------------|------------------|-------|---------------|--------|---------|--------|----------|--------|---------------|--------|----------------------------|
| NamaBarang       | HargaSeunit   |                            |             |                  |       |               |        |         |        |          |        |               |        |                            |
| <i>Headphone</i> | 25.00   |                            |             |                  |       |               |        |         |        |          |        |               |        |                            |
| Kipas Dinding    | 150.00  |                            |             |                  |       |               |        |         |        |          |        |               |        |                            |
| Monitor          | 200.00  |                            |             |                  |       |               |        |         |        |          |        |               |        |                            |
| Pencetak         | 250.00  |                            |             |                  |       |               |        |         |        |          |        |               |        |                            |
| <i>Router</i>    | 170.00  |                            |             |                  |       |               |        |         |        |          |        |               |        |                            |
| <p>3</p>         | <p>a) struktur kawalan pilihan</p> <p>untuk membandingkan kod tebus nilai yang dimasukkan betul</p> <p>b) kod == 'Jomsekolah</p> <p>c)</p>  | <p>1</p> <p>1</p> <p>1</p> |             |                  |       |               |        |         |        |          |        |               |        |                            |



mula & tamat

1

anak panah menyentuh setiap simbol

1

simbol input nama

1

simbol input kod

1

simbol struktur kawalan dan pernyataan boolean betul

1

benar palsu

1

output benar betul

1

output palsu betul

1

lengkap & betul

1

d)

struktur pengulangan

1

proses menebus nilai akan dilakukan berulang kali oleh 100 orang

1

pengguna.

|   |  |   |
|---|--|---|
|   | setelah bilangan pengguna mencapai 100 orang, atrucara akan tamat.   | 1   |
| 4 | <p>(a) B1 dan B2</p> <p>(b)</p> <p>i. semua elemen perlu berada di kedudukan yang sama dari segi persembahan dan fungsi</p> <p>ii. supaya pengguna akan selesa dan tidak hilang fokus apabila menggunakan sistem.</p> <p>(c) Menerima <b>SEMUA</b> jawapan calon yang relevan dan memenuhi prinsip reka bentuk interaksi</p> <p>(d) <b>Kebolehan Membuat Pemerhatian (Perceivability)</b><br/>Petunjuk dan butang interaksi perlu mudah dikenalpasti<br/>Supaya pengguna selesa guna system dan tak ragu- ragu</p> <p><b>Boleh dipelajari ( Learnability)</b><br/>Supaya pengguna mudah mempelajari dan mengingati cara- cara menggunakan system</p> <p><b>Kebolehan untuk menjangka (Predictability)</b><br/>Pengguna boleh menjangka perkara yang akan berlaku dalam aliran proses aplikasi tersebut</p> <p><b>Maklumbalas (feedback)</b><br/>Untuk melakukan penambahbaikan kepada system</p> <p>Contoh ‘ loading’, message box ‘ You have successfully og out’</p> | <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>4</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> <p>1</p> |