LAPORAN JOBSHEET 5

MATKUL PRAKTIKUM PEMOGRAMAN BERBASIS OBJEK



DOSEN PEMBIMBING

Dian Wahyuningsih, S.Kom., MMSI.

NAMA MAHASISWA

Ahmad Dzul Fadhli Hannan

2341720106

KELAS TI-2E

POLITEKNIK NEGERI MALANG

JURUSAN TEKNOLOGI INFORMASI

PRODI D4-TEKNIK INFORMATIKA

LINK GITHUB KODE PROGRAM : https://github.com/ahmaddzulfadhlihannan/Praktikum-PBO-Semester-3/tree/main/minggu5/Tugas/src/tugas

|  |
| --- |
| **Komputer** |
| * on:Boolean * m:Motherboard * p:Processor * mr:Memory * s.Storage * ps:PowerSupply * g:GraphicCard |
| * Komputer() * setM(m:Motherboard):void * setP(p:Processor):void * setMr(mr:Memory):void * setS(s:Storage):void * setPs(ps:PowerSupply):void * setG(g:GraphicCard):void * on():String * getP():Processor * getM():Motherboard * getMr():Memory * getS():Storage * getPs():PowerSupply * getG():GraphicCard * hitungSkorBenchmark():double * cekKomponen():Boolean * nyalakan():void * matikan():void * mainMinecraft():void * mainGTA():void * info():void * spesifikasi():void |

|  |
| --- |
| **MotherBoard** |
| * seri: String * soket: String * chipset: String * poinBenchmark: double |
| * Motherboard(seri:String, soket:String, chipset:String, poinBenchmark:double) * info(): void * getSeri(): String * getSoket(): String * getChipset(): String * getPoinBenchmark(): double |

|  |
| --- |
| **Processor** |
| * seri: String * socket: String * core: int * thread: int * kecepatan: double |
| * Processor() * Processor(seri:String, socket:String, core:int, thread:int, kecepatan:double) * setSeri(seri:String): void * setSocket(socket:String): void * setCore(core:int): void * setThread(thread:int): void * setKecepatan(kecepatan:double): void * getSeri(): String * getSocket(): String * getCore(): int * getThread(): int * getKecepatan(): double * hitungSkorBenchmark(): double * info(): void |

|  |
| --- |
| **Memory** |
| * nama: String * kapasitas: int * kecepatan: double |
| * Memory() * Memory(nama:String, kapasitas:int, kecepatan:double) * setNama(nama:String): void * setKapasitas(kapasitas:int): void * setKecepatan(kecepatan:double): void * getNama(): String * getKapasitas(): int * getKecepatan(): double * hitungSkorBenchmark(): double * info(): void |

|  |
| --- |
| **PowerSupply** |
| * seri: String * power: int * grade: int |
| * PowerSupply(seri:String, power:int, grade:int) * getSeri(): String * getPower(): int * getGrade(): int * setSeri(seri: String): void * setPower(power: int): void * setGrade(grade: int): void * hitungSkorBenchmark(): double * info(): void |

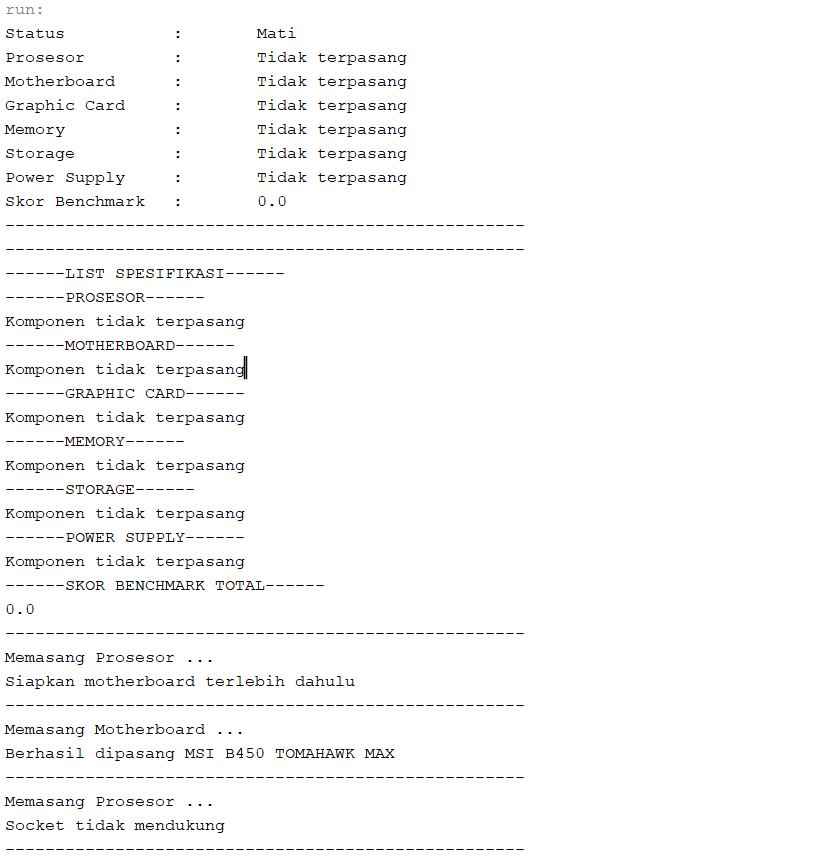
|  |
| --- |
| **Storage** |
| * nama: String * kapasitas: int * kecepatan: double |
| * Storage() * Storage(nama:String, kapasitas:int, kecepatan:double) * setNama(nama:String): void * setKapasitas(kapasitas:int): void * setKecepatan(kecepatan:double): void * getNama(): String * getKapasitas(): int * getKecepatan(): double * hitungSkorBenchmark(): double * info(): void |

|  |
| --- |
| **GraphicCard** |
| * seri: String * kecepatan: int * vram: int |
| * GraphicCard(seri:String, kecepatan:int, vram:int) * getSeri(): String * getKecepatan(): int * getVram(): int * hitungSkorBenchmark(): double * info(): void |

Kode Program Class Main :

|  |
| --- |
| package tugas;  /\*\*  \*  \* @author ahmad  \*/  public class Tugas {  /\*\*  \* @param args the command line arguments  \*/  public static void main(String[] args) {  // TODO code application logic here  Motherboard motherboard1 = new Motherboard("ASUS ROG Strix Z490-E", "LGA 1200", "Intel Z490", 95.0);  Motherboard motherboard2 = new Motherboard("MSI B450 TOMAHAWK MAX", "AM4", "AMD B450", 85.0);    Processor processor1 = new Processor("Intel i7-11700K", "LGA 1200", 8, 16, 3.6);  Processor processor2 = new Processor("AMD Ryzen 5 5600X", "AM4", 6, 12, 3.7);  Processor processor3 = new Processor("Intel i5-10400", "LGA 1200", 6, 12, 2.9);  GraphicCard graphicCard1 = new GraphicCard("NVIDIA GeForce RTX 3080", 1710, 10);  GraphicCard graphicCard2 = new GraphicCard("AMD Radeon RX 6800 XT", 2015, 16);  Memory memory1 = new Memory("Corsair Vengeance LPX", 16, 3200.0);  Memory memory2 = new Memory("G.SKILL Ripjaws V", 32, 3600.0);  Storage storage1 = new Storage("Samsung 970 EVO Plus", 1000, 3500.0); // 1TB SSD  Storage storage2 = new Storage("Western Digital Blue", 2000, 5400.0); // 2TB HDD  PowerSupply powerSupply1 = new PowerSupply("Corsair RM750x", 750, 80); // 750W, 80 Plus Gold  PowerSupply powerSupply2 = new PowerSupply("EVGA 600 W1", 600, 70); // 600W, 70 Plus    Komputer komputer1 = new Komputer();  komputer1.info();  komputer1.spesifikasi();  komputer1.setP(processor3);  komputer1.setM(motherboard2);  komputer1.setP(processor3);  komputer1.setP(processor2);  komputer1.nyalakan();  komputer1.info();  komputer1.setMr(memory2);  komputer1.setS(storage2);  komputer1.setPs(powerSupply2);  komputer1.info();  komputer1.mainMinecraft();  komputer1.nyalakan();  komputer1.info();  komputer1.mainMinecraft();  komputer1.mainGTA();  komputer1.spesifikasi();  komputer1.setG(graphicCard2);  komputer1.matikan();  komputer1.setG(graphicCard2);  komputer1.info();  komputer1.nyalakan();  komputer1.info();  komputer1.spesifikasi();  }    } |

Hasil Running :



A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated