TEORI TUGAS 4 SISTEM OPERASI FLOWCHART BOOTH



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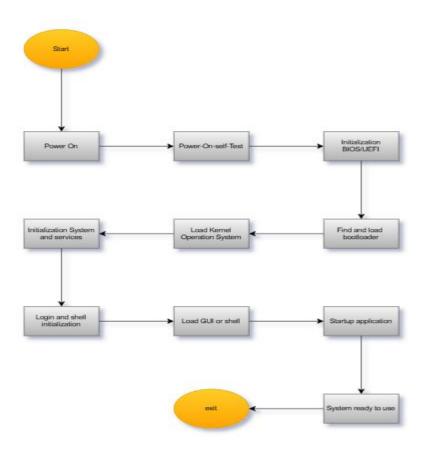
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A. Penugasan



Penjelasan Singkat Tiap Langkah:

Start: The boot procces begins when the user presses the power button on the computer.

Power On: the computer receives power from the power supply and start the boot process.

Power-On-Self-Test (POST): the system performs a basic hardware check (RAM, CPU, and other components)

Initialization BIOS/UEFI: The BIOS or UEFI initializes, configuring hardware settings and searching for the bootloader.

Find and Load Bootloader: The system searches for the bootloader in storage (such as an HDD or SSD) and loads it into memory.

Load Kernel Operating System : The bootloader loads the operating system kernel into RAM to begin execution.

Initialization System and Services : The kernel initializes system services and device drivers required for the operating system to function.

Login and Shell Initialization : The system prepares the login environment, either in text mode (shell) or graphical mode (GUI).

Load GUI or Shell: The system loads the graphical user interface (GUI) or text-based shell, depending on the setup.

Startup Application : Applications configured to run at startup begin execution.

System Ready to Use: The operating system is now fully functional and ready for user interaction.

Exit: The flowchart ends once the system is ready for use.