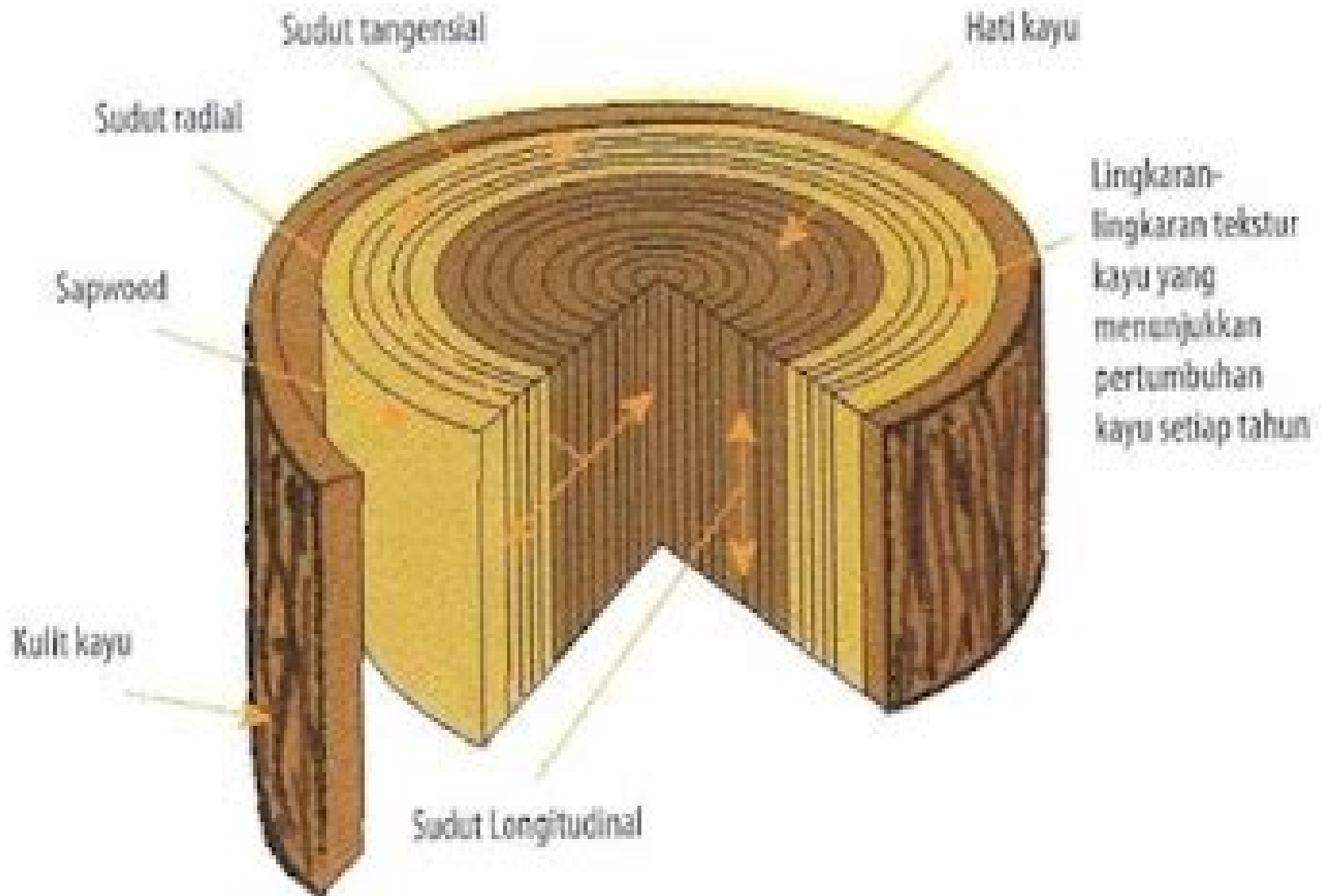


Anatomi Kayu



Hubungan Struktur Anatomi Kayu Dengan Sifat Kayu Kegunaan

**Andi Detti Yuniarti ,Syahidah
,Agussalim ,Suhasman**



Hubungan Struktur Anatomi Kayu Dengan Sifat Kayu Kegunaan:

BUKU AJAR ILMU KAYU Andi Detti Yuniarti ,Syahidah ,Agussalim ,Suhasman,2020-08-01 Saat ini penggunaan kayu dituntut semakin efisien dikarenakan makin terbatasnya suplai kayu oleh hutan alam akibat tata kelola hutan yang kurang baik di masa lampau Hutan alam tidak lagi mampu menghasilkan kayu dengan kualitas dan kuantitas yang baik Oleh sebab itu hutan tanaman banyak dibangun untuk mampu mengatasi persoalan jumlah kayu yang menipis Namun kayu yang dihasilkan dari hutan tanaman tidak mampu memberikan kualitas yang baik Sehingga untuk dapat menggunakan kayu secara tepat maka perlu untuk mengetahui karakteristik dasar dari kayu tersebut Buku ini merupakan bahan bacaan bagi mereka yang ingin mempelajari sifat-sifat dasar kayu terutama bagi mahasiswa yang sedang mengambil mata kuliah ilmu kayu seperti sifat anatomi kayu kimia kayu fisis dan mekanik kayu serta hubungan sifat-sifat dasar tersebut dalam penggunaannya sebagai bahan baku industri Buku ini dibagi menjadi 4 bagian bagian pertama bab 1-3 adalah bagian struktur anatomi kayu di mana akan diuraikan seperti apa tumbuhan penghasil kayu itu ciri makroskopis sel-sel penyusun kayu daun lebar dan sel-sel penyusun kayu daun jarum Bagian kedua bab 4 adalah bagian kimia kayu yang akan menjelaskan komponen kimia penyusun kayu atau lebih spesifik dinding sel kayu Perbedaan jumlah dan proporsi komponen kimia dinding sel akan berakibat pada sifat-sifat fisik dan mekanis kayu yang berbeda dan juga penggunaannya Bagian ketiga bab 5-7 adalah sifat fisik kayu yang menjelaskan bagaimana pergerakan air di dalam kayu akibat yang ditimbulkan oleh keberadaan air tersebut dan bagaimana mengukurnya termasuk pengaruhnya terhadap perubahan dimensi kayu Selain itu berat jenis dan kerapatan juga akan dipelajari di mana sifat ini sangat berkaitan erat dengan kekuatan kayu Pada bagian terakhir bab 8 adalah sifat mekanik kayu yang menerangkan kekuatan yang mampu dipikul oleh kayu dalam bentuk tegangan tarik tekan atau geser serta bagaimana mengukur kekuatan kayu tersebut *Anatomi kayu* I. Ketut N. Pandit,Hikmat Ramdan,2002

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