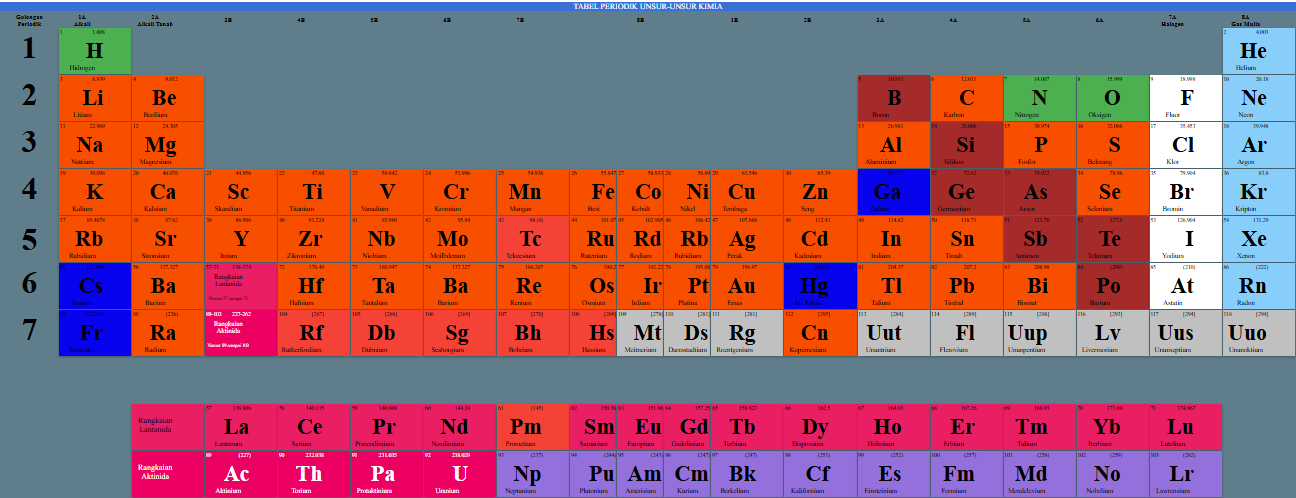
**PENGERTIAN TABEL PERIODIK DAN HTML, CSS, JSNYA**

* **Code Index.html**
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* <div class="content-tp" title="Semua elemen Aktinida termasuk dalam kategori Radioaktif">
* <div class="na">89-103</div>
* <div class="ma">227-262</div>
* <br/>
* <div class="nu">Rangkaian Aktinida</div>
* <br/>
* <div class="nu-desc">Nomor 89 sampai 103</div>
* </div>
* </td>
* <td class="b" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="content-tp">
* <div class="na">104</div>
* <div class="ma">[267]</div>
* <br/>
* <div class="lu">Rf</div>
* <div class="nu">Rutherfordium</div>
* </div>
* </td>
* <td class="b" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="content-tp">
* <div class="na">105</div>
* <div class="ma">[268]</div>
* <br/>
* <div class="lu">Db</div>
* <div class="nu">Dubnium</div>
* </div>
* </td>
* <td class="b" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="content-tp">
* <div class="na">106</div>
* <div class="ma">[269]</div>
* <br/>
* <div class="lu">Sg</div>
* <div class="nu">Seaborgium</div>
* </div>
* </td>
* <td class="b" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="content-tp">
* <div class="na">107</div>
* <div class="ma">[270]</div>
* <br/>
* <div class="lu">Bh</div>
* <div class="nu">Bohrium</div>
* </div>
* </td>
* <td class="b" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="content-tp">
* <div class="na">108</div>
* <div class="ma">[269]</div>
* <br/>
* <div class="lu">Hs</div>
* <div class="nu">Hassium</div>
* </div>
* </td>
* <td class="undef" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="content-tp">
* <div class="na">109</div>
* <div class="ma">[278]</div>
* <br/>
* <div class="lu">Mt</div>
* <div class="nu">Meitnerium</div>
* </div>
* </td>
* <td class="undef" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="content-tp">
* <div class="na">110</div>
* <div class="ma">[281]</div>
* <br/>
* <div class="lu" title="Kode lain: Uun">Ds</div>
* <div class="nu" title="Nama lain: Ununnilium">Darmstadtium</div>
* </div>
* </td>
* <td class="undef">
* <div class="content-tp" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="na">111</div>
* <div class="ma">[281]</div>
* <br/>
* <div class="lu" title="Kode lain: Uuu">Rg</div>
* <div class="nu" title="Nama lain: Unununium">Roentgenium</div>
* </div>
* </td>
* <td class="l">
* <div class="content-tp" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="na">112</div>
* <div class="ma">[285]</div>
* <br/>
* <div class="lu" title="Kode lain: Uub">Cn</div>
* <div class="nu" title="Nama lain: Ununbium">Kopernesium</div>
* </div>
* </td>
* <td class="undef">
* <div class="content-tp">
* <div class="na">113</div>
* <div class="ma">[284]</div>
* <br/>
* <div class="lu" title="Kode lain: -">Uut</div>
* <div class="nu" title="Nama lain: -">Ununtrium</div>
* </div>
* </td>
* <td class="undef">
* <div class="content-tp" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="na">114</div>
* <div class="ma">[289]</div>
* <br/>
* <div class="lu" title="Kode lain: Uuq">Fl</div>
* <div class="nu" title="Nama lain: Ununquadium">Flerovium</div>
* </div>
* </td>
* <td class="undef">
* <div class="content-tp">
* <div class="na">115</div>
* <div class="ma">[288]</div>
* <br/>
* <div class="lu" title="Kode lain: -">Uup</div>
* <div class="nu" title="Nama lain: -">Ununpentium</div>
* </div>
* </td>
* <td class="undef">
* <div class="content-tp" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="na">116</div>
* <div class="ma">[293]</div>
* <br/>
* <div class="lu" title="Kode lain: Uuh">Lv</div>
* <div class="nu" title="Nama lain: Ununheksium">Livermorium</div>
* </div>
* </td>
* <td class="undef">
* <div class="content-tp">
* <div class="na">117</div>
* <div class="ma">[294]</div>
* <br/>
* <div class="lu" title="Kode lain: -">Uus</div>
* <div class="nu" title="Nama lain: -">Ununseptium</div>
* </div>
* </td>
* <td class="undef">
* <div class="content-tp" title="Elemen ini termasuk dalam kategori Radioaktif">
* <div class="na">118</div>
* <div class="ma">[294]</div>
* <br/>
* <div class="lu" title="Kode lain: -">Uuo</div>
* <div class="nu" title="Nama lain: -">Ununoktium</div>
* </div>
* </td>
* </tr>
* <tr>
* <th></th>
* <td colspan="18">
* <div class="content-tp"></div>
* </td>
* </tr>
* <tr>
* <th></th>
* <td></td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">&nbsp;</div>
* <div class="ma">&nbsp;</div>
* <br/>
* <div class="nu rlra">Rangkaian Lantanida</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">57</div>
* <div class="ma">138.906</div>
* <br/>
* <div class="lu">La</div>
* <div class="nu">Lantanum</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">58</div>
* <div class="ma">140.115</div>
* <br/>
* <div class="lu">Ce</div>
* <div class="nu">Serium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">59</div>
* <div class="ma">140.908</div>
* <br/>
* <div class="lu">Pr</div>
* <div class="nu">Praseodimium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">60</div>
* <div class="ma">144.24</div>
* <br/>
* <div class="lu">Nd</div>
* <div class="nu">Neodimium</div>
* </div>
* </td>
* <td class="lan-b">
* <div class="content-tp">
* <div class="na">61</div>
* <div class="ma">(145)</div>
* <br/>
* <div class="lu">Pm</div>
* <div class="nu">Prometium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">62</div>
* <div class="ma">150.36</div>
* <br/>
* <div class="lu">Sm</div>
* <div class="nu">Samarium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">63</div>
* <div class="ma">151.96</div>
* <br/>
* <div class="lu">Eu</div>
* <div class="nu">Europium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">64</div>
* <div class="ma">157.25</div>
* <br/>
* <div class="lu">Gd</div>
* <div class="nu">Gadolinium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">65</div>
* <div class="ma">158.923</div>
* <br/>
* <div class="lu">Tb</div>
* <div class="nu">Terbium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">66</div>
* <div class="ma">162.5</div>
* <br/>
* <div class="lu">Dy</div>
* <div class="nu">Disprosium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">67</div>
* <div class="ma">164.93</div>
* <br/>
* <div class="lu">Ho</div>
* <div class="nu">Holmium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">68</div>
* <div class="ma">167.26</div>
* <br/>
* <div class="lu">Er</div>
* <div class="nu">Erbium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">69</div>
* <div class="ma">168.93</div>
* <br/>
* <div class="lu">Tm</div>
* <div class="nu">Tulium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">70</div>
* <div class="ma">173.04</div>
* <br/>
* <div class="lu">Yb</div>
* <div class="nu">Iterbium</div>
* </div>
* </td>
* <td class="lan">
* <div class="content-tp">
* <div class="na">71</div>
* <div class="ma">174.967</div>
* <br/>
* <div class="lu">Lu</div>
* <div class="nu">Lutelium</div>
* </div>
* </td>
* </tr>
* <tr>
* <th></th>
* <td></td>
* <td class="akt">
* <div class="content-tp">
* <div class="na">&nbsp;</div>
* <div class="ma">&nbsp;</div>
* <br/>
* <div class="nu rlra">Rangkaian Aktinida</div>
* </div>
* </td>
* <td class="akt">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">89</div>
* <div class="ma">(227)</div>
* <br/>
* <div class="lu">Ac</div>
* <div class="nu">Aktinium</div>
* </div>
* </td>
* <td class="akt">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">90</div>
* <div class="ma">232.038</div>
* <br/>
* <div class="lu">Th</div>
* <div class="nu">Torium</div>
* </div>
* </td>
* <td class="akt">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">91</div>
* <div class="ma">231.035</div>
* <br/>
* <div class="lu">Pa</div>
* <div class="nu">Protaktinium</div>
* </div>
* </td>
* <td class="akt">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">92</div>
* <div class="ma">238.029</div>
* <br/>
* <div class="lu">U</div>
* <div class="nu">Uranium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">93</div>
* <div class="ma">(237)</div>
* <br/>
* <div class="lu">Np</div>
* <div class="nu">Neptunium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">94</div>
* <div class="ma">(244)</div>
* <br/>
* <div class="lu">Pu</div>
* <div class="nu">Plutonium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">95</div>
* <div class="ma">(243)</div>
* <br/>
* <div class="lu">Am</div>
* <div class="nu">Amerisium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">96</div>
* <div class="ma">(247)</div>
* <br/>
* <div class="lu">Cm</div>
* <div class="nu">Kurium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">97</div>
* <div class="ma">(247)</div>
* <br/>
* <div class="lu">Bk</div>
* <div class="nu">Berkelium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">98</div>
* <div class="ma">(251)</div>
* <br/>
* <div class="lu">Cf</div>
* <div class="nu">Kalifornium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">99</div>
* <div class="ma">(252)</div>
* <br/>
* <div class="lu">Es</div>
* <div class="nu">Einsteinium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">100</div>
* <div class="ma">(257)</div>
* <br/>
* <div class="lu">Fm</div>
* <div class="nu">Fermium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">101</div>
* <div class="ma">(258)</div>
* <br/>
* <div class="lu">Md</div>
* <div class="nu">Mendelevium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">102</div>
* <div class="ma">(259)</div>
* <br/>
* <div class="lu">No</div>
* <div class="nu">Nobelium</div>
* </div>
* </td>
* <td class="akt-b">
* <div class="content-tp" title="Elemen ini termasuk ke dalam kategori Radioaktif">
* <div class="na">103</div>
* <div class="ma">(262)</div>
* <br/>
* <div class="lu">Lr</div>
* <div class="nu">Lawrensium</div>
* </div>
* </td>
* </tr>
* </tbody>
* </table>
* **APP.JS**
* function showstatus(*text*, *color*) {
* $('#status').stop().slideUp().css('color', *color*).html(*text*).slideDown().delay(2000).slideUp()
* }
* window.onbeforeunload = function () {
* if (navigator.onLine) {} else {
* showstatus('<marquee>No network connection. Please do not refresh until this message is disappear</marquee>', 'red')
* }
* }
* window.oncontextmenu = function () {
* showstatus('Right click is disabled', '#F44336');
* return false
* }
* shortcut.add('CTRL+U', function () {
* showstatus('View source is disabled!', '#F44336')
* }),
* shortcut.add('CTRL+Shift+I', function () {
* showstatus('Inspect Element is disabled!', '#F44336')
* }),
* shortcut.add('CTRL+Shift+J', function () {
* showstatus('JS Console is disabled!', '#F44336')
* }),
* shortcut.add('CTRL+Shift+C', function () {
* showstatus('Inspect Element is disabled!', '#F44336')
* }),
* shortcut.add('F12', function () {
* showstatus('JS Console is disabled!', '#F44336')
* }),
* shortcut.add('Meta+Alt+U', function () {
* showstatus('View source is disabled!', '#F44336')
* }),
* shortcut.add('Meta+Alt+I', function () {
* showstatus('Inspect Element is disabled!', '#F44336')
* }),
* shortcut.add('Meta+Alt+J', function () {
* showstatus('JS Console is disabled!', '#F44336')
* }),
* shortcut.add('Meta+Shift+C', function () {
* showstatus('Inspect Element is disabled!', '#F44336')
* }),
* shortcut.add('Meta+P', function () {
* showstatus('Preparing to print...', 'white');
* setTimeout(function () {
* window.print()
* }, 3000)
* }),
* shortcut.add('Ctrl+P', function () {
* showstatus('Preparing to print...', 'white');
* setTimeout(function () {
* window.print()
* }, 3000)
* });
* **STYLE.CSS**
* body {
* font-size: 11pt;
* line-height: initial;
* }
* table {
* width: 96%;
* background: #607D8B;
* font-family: roboto;
* border-style: none;
* border-collapse: separate;
* border-spacing: 2px;
* }
* th {
* width: 400px;
* max-width: 400px;
* font-family: roboto;
* text-align: center;
* }
* abbr {
* text-decoration: underline;
* }
* */\* Layouting \*/*
* #title {
* background-color: #3870d8;
* color: white;
* text-align: center;
* }
* .indiv {
* font-size: 0.9em;
* font-weight: bold;
* }
* .content {
* width: 90px;
* max-width: 90px;
* }
* .content-per {
* height: 90px;
* max-height: 90px;
* }
* .content-tp {
* width: 90px;
* max-width: 90px;
* height: 90px;
* max-height: 90px;
* }
* .gol {
* font-size: 0.9em;
* font-weight: bold;
* }
* .per {
* font-size: 4em;
* font-weight: bold;
* }
* */\* For periodic Elements Inside \*/*
* .na {
* font-size: 0.7em;
* float: left;
* }
* .ma {
* font-size: 0.7em;
* float: right;
* }
* .lu {
* font-size: 2.75em;
* font-weight: bold;
* text-align: right;
* width: 97%;
* margin-right: 5px;
* }
* .sp {
* font-size: 0.9em;
* float: left;
* }
* .nu {
* font-size: 10.1pt;
* text-align: center;
* }
* .rlra {
* font-size: 12pt;
* margin-top: 5px;
* }
* td
* {
* box-shadow:0 1.5px 4px rgba(0, 0, 0, 0.24), 0 1.5px 6px rgba(0, 0, 0, 0.12)
* }
* td[colspan], td:empty
* {
* box-shadow:none;
* }
* .nu-desc {
* font-size: 7pt;
* text-align: center;
* }
* .kotak {
* width: 85px;
* height: 85px;
* }
* */\* CSS for Element Category Starts \*/*
* .l {
* background: #f74e00;
* }
* .c {
* background: #0703ee;
* }
* .g {
* background: #4CAF50;
* }
* .b {
* background: #F44336;
* }
* .h {
* background: #ffffff;
* }
* .lan {
* background: #E91E63;
* }
* .lan-b {
* background: #F44336;
* }
* .akt {
* background: #ec0062;
* color: #fff;
* }
* .akt-b {
* background: mediumpurple;
* }
* .m {
* background: brown;
* }
* .gm {
* background: LightskyBlue;
* }
* .undef {
* background: silver;
* }
* **GAMBAR :**



* **PENJELSAN DI DALAM TABEL PERIODIK BENTUK HTML :**

**<!DOCTYPE html>**

**<html lang="id">**

**<head>**

**<meta charset="UTF-8">**

**<title>Tabel Periodik dan Fungsinya</title>**

**<style>**

**body {**

**font-family: Arial, sans-serif;**

**background-color: #eef3f7;**

**padding: 20px;**

**}**

**h1 {**

**text-align: center;**

**color: #2c3e50;**

**}**

**table {**

**width: 100%;**

**border-collapse: collapse;**

**margin-bottom: 30px;**

**}**

**th, td {**

**border: 1px solid #ccc;**

**padding: 10px;**

**text-align: left;**

**}**

**th {**

**background-color: #2c3e50;**

**color: white;**

**}**

**.color-box {**

**display: inline-block;**

**width: 20px;**

**height: 20px;**

**vertical-align: middle;**

**margin-right: 10px;**

**border: 1px solid #000;**

**}**

**</style>**

**</head>**

**<body>**

**<h1>Tabel Periodik Unsur dan Fungsinya</h1>**

**<table>**

**<thead>**

**<tr>**

**<th>Warna</th>**

**<th>Kelompok Unsur</th>**

**<th>Contoh Unsur</th>**

**<th>Fungsi Umum</th>**

**</tr>**

**</thead>**

**<tbody>**

**<tr>**

**<td><span class="color-box" style="background-color: #ff9900;"></span></td>**

**<td>Logam Transisi</td>**

**<td>Fe, Cu, Zn, Au</td>**

**<td>Struktur bangunan, konduktor listrik, perhiasan</td>**

**</tr>**

**<tr>**

**<td><span class="color-box" style="background-color: #ff3300;"></span></td>**

**<td>Logam Pasca Transisi</td>**

**<td>Al, Sn, Pb</td>**

**<td>Kabel listrik, pelapis kaleng, baterai</td>**

**</tr>**

**<tr>**

**<td><span class="color-box" style="background-color: #ff3399;"></span></td>**

**<td>Lantanida</td>**

**<td>La, Ce, Nd</td>**

**<td>Magnet, lampu neon, laser</td>**

**</tr>**

**<tr>**

**<td><span class="color-box" style="background-color: #cc0066;"></span></td>**

**<td>Aktinida</td>**

**<td>U, Pu, Th</td>**

**<td>Reaktor nuklir, senjata nuklir</td>**

**</tr>**

**<tr>**

**<td><span class="color-box" style="background-color: #00ccff;"></span></td>**

**<td>Gas Mulia</td>**

**<td>He, Ne, Ar</td>**

**<td>Balon udara, lampu neon, atmosfer pelindung</td>**

**</tr>**

**<tr>**

**<td><span class="color-box" style="background-color: #66ff66;"></span></td>**

**<td>Non-Logam</td>**

**<td>H, C, N, O</td>**

**<td>Pernapasan, DNA, pupuk, air</td>**

**</tr>**

**<tr>**

**<td><span class="color-box" style="background-color: #cc0000;"></span></td>**

**<td>Metaloid</td>**

**<td>B, Si, As</td>**

**<td>Semikonduktor, kaca, pestisida</td>**

**</tr>**

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**<td><span class="color-box" style="background-color: #3399ff;"></span></td>**

**<td>Logam Alkali</td>**

**<td>Li, Na, K</td>**

**<td>Baterai, garam, pupuk</td>**

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**<td><span class="color-box" style="background-color: #ff9966;"></span></td>**

**<td>Logam Alkali Tanah</td>**

**<td>Mg, Ca, Ba</td>**

**<td>Obat, tulang, kembang api</td>**

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**<td><span class="color-box" style="background-color: #9966cc;"></span></td>**

**<td>Halogen</td>**

**<td>F, Cl, I</td>**

**<td>Disinfektan, garam, antiseptik</td>**

**</tr>**

**<tr>**

**<td><span class="color-box" style="background-color: #cccccc;"></span></td>**

**<td>Unsur Sintetik</td>**

**<td>Uut, Uus, Uup</td>**

**<td>Penelitian ilmiah, tidak stabil</td>**

**</tr>**

**</tbody>**

**</table>**

**<p>Warna-warna di atas mencerminkan kategori unsur sesuai dengan warna pada gambar tabel periodik yang kamu unggah. Setiap warna memiliki fungsi dan kegunaan berbeda dalam kehidupan sehari-hari maupun industri.</p>**

**</body>**

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* **PENJELASAN ARTI UNSUR-UNSUR KIMIA PADA TABEL PERIODIK**

🔶 1. Logam Alkali (Warna Biru Cerah – Contoh: Li, Na, K, Rb, Cs, Fr)

* Litium (Li): Digunakan dalam baterai isi ulang (lithium-ion).
* Natrium (Na): Komponen utama garam dapur (NaCl), penting untuk keseimbangan cairan tubuh.
* Kalium (K): Mineral esensial untuk fungsi otot dan jantung.
* Rubidium (Rb), Sesium (Cs), Fransium (Fr): Lebih reaktif, jarang digunakan secara luas, digunakan dalam riset.

🟧 2. Logam Alkali Tanah (Warna Oranye Tua – Contoh: Be, Mg, Ca, Sr, Ba, Ra)

* Magnesium (Mg): Digunakan dalam paduan logam ringan, dan suplemen.
* Kalsium (Ca): Pembentuk tulang dan gigi, penting dalam kontraksi otot.
* Barium (Ba): Digunakan dalam foto rontgen perut (barium meal).
* Radium (Ra): Radioaktif, dulu digunakan dalam cat luminesen (tidak lagi karena bahaya radiasi).

🔴 3. Logam Transisi (Warna Oranye – Contoh: Fe, Cu, Zn, Au, Ag, Ni, Co, Ti, Cr)

* Besi (Fe): Bahan utama baja, penting untuk hemoglobin dalam darah.
* Tembaga (Cu): Konduktor listrik, digunakan dalam kabel.
* Zink (Zn): Melindungi besi dari korosi (galvanisasi), penting untuk sistem imun.
* Perak (Ag): Perhiasan, fotografi, alat medis karena sifat antimikroba.
* Emas (Au): Perhiasan, investasi, digunakan dalam elektronik.

🟤 4. Logam Pasca Transisi (Warna Merah Gelap – Contoh: Al, Sn, Pb, Bi, In)

* Aluminium (Al): Ringan dan tahan karat, digunakan dalam kemasan, pesawat.
* Timah (Sn): Pelapis kaleng makanan, solder elektronik.
* Timbal (Pb): Dulu digunakan dalam cat dan bensin (sekarang dilarang), masih digunakan dalam aki.
* Bismut (Bi): Obat maag (seperti Pepto-Bismol).

🟣 5. Metaloid (Warna Ungu Merah – Contoh: B, Si, As, Sb, Te)

* Boron (B): Digunakan dalam serat borosilikat (Pyrex).
* Silikon (Si): Bahan utama chip komputer dan panel surya.
* Arsenik (As): Sangat beracun, pernah digunakan dalam pestisida.

🟩 6. Non-Logam (Warna Hijau – Contoh: H, C, N, O, P, S, Se)

* Hidrogen (H): Unsur paling ringan, bahan bakar potensial.
* Karbon (C): Dasar semua senyawa organik (makhluk hidup).
* Nitrogen (N): 78% udara, bahan baku pupuk.
* Oksigen (O): Diperlukan untuk pernapasan.
* Fosfor (P): Pupuk, DNA, tulang.
* Sulfur (S): Dalam obat dan bahan peledak (mesiu hitam).
* Selenium (Se): Mikronutrien, digunakan dalam elektronik.

🟪 7. Halogen (Warna Ungu Muda – Contoh: F, Cl, Br, I, At)

* Fluorin (F): Dalam pasta gigi untuk mencegah gigi berlubang.
* Klorin (Cl): Disinfektan dalam air kolam renang.
* Bromin (Br): Digunakan dalam bahan pemadam api.
* Iodin (I): Penting untuk kelenjar tiroid.

🟦 8. Gas Mulia (Warna Biru Muda – Contoh: He, Ne, Ar, Kr, Xe, Rn)

* Helium (He): Balon, tidak mudah terbakar.
* Neon (Ne): Lampu reklame.
* Argon (Ar): Gas inert dalam lampu bohlam dan pengelasan.
* Radon (Rn): Gas radioaktif alami, bisa berbahaya jika terakumulasi.

🟥 9. Lantanida (Baris Atas Merah Muda – Contoh: La – Lu)

* Neodimium (Nd): Magnet super kuat.
* Europium (Eu): Digunakan dalam layar TV dan lampu fluoresen.

🟥 10. Aktinida (Baris Bawah Merah Tua – Contoh: Ac – Lr)

* Uranium (U): Bahan bakar reaktor nuklir.
* Plutonium (Pu): Digunakan dalam senjata nuklir dan reaktor.

⚙️ 11. Unsur Sintetik (Warna Abu-Abu – Contoh: Uut, Uup, Uus, Ds, Rg, Og, dll.)

* Unsur yang tidak ditemukan di alam dan hanya dibuat di laboratorium.
* Umumnya bersifat radioaktif dan tidak stabil.
* Digunakan dalam riset ilmiah dan fisika partikel.