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## Lampiran 1. Hasil Uji XRD

### 1. Blok 9 Utara Bawah

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B9UB 21/12/23

Calcite -  $\text{CaCO}_3$ ;98.28

Dolomite -  $\text{CaMg}(\text{CO}_3)_2$ ;0.05

Quartz -  $\text{SiO}_2$ ;0.10

Anorthite (Ca-feldspar);0.00

Albite (Na-feldspar);0.00

Orthoclase (K-feldspar);0.00

Illite (Mica) -  $\text{KA}_2(\text{AlSi}_3\text{O}_{10})(\text{OH})_2$ ;0.00

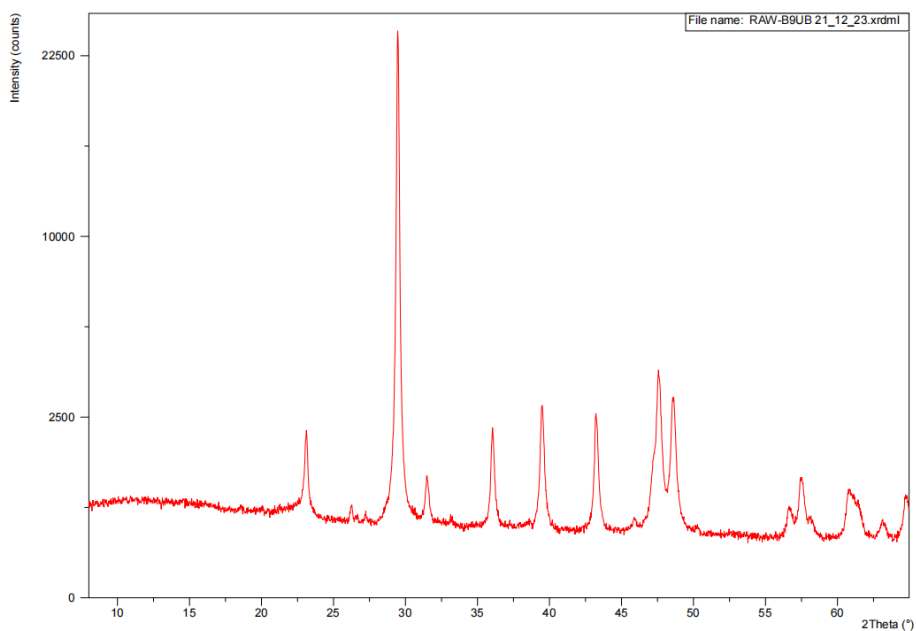
Kaolinite -  $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$ ;0.00

Hematite -  $\text{Fe}_2\text{O}_3$ ;0.00

Fluorite -  $\text{CaF}_2$ ;0.00

Aragonite;1.42

Pyrite;0.15



## 2. Blok 9 Selatan

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B9S 20/12/23

Calcite -  $\text{CaCO}_3$ ;99.23Dolomite -  $\text{CaMg}(\text{CO}_3)_2$ ;0.12Quartz -  $\text{SiO}_2$ ;0.18

Anorthite (Ca-feldspar);0.10

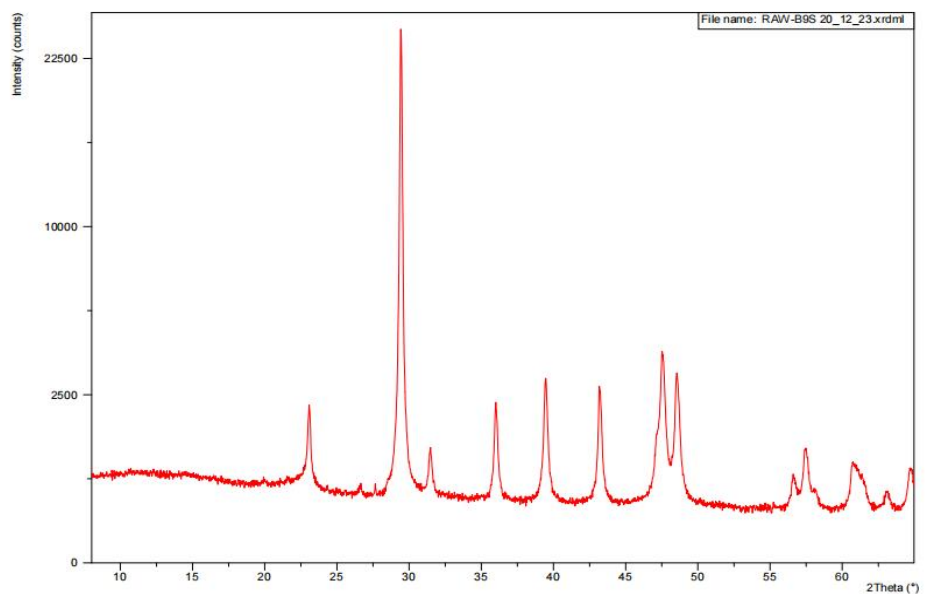
Albite (Na-feldspar);0.00

Orthoclase (K-feldspar);0.25

Illite (Mica) -  $\text{KA}l_2(\text{AlSi}_3\text{O}_{10})(\text{OH})_2$ ;0.00Kaolinite -  $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$ ;0.01Hematite -  $\text{Fe}_2\text{O}_3$ ;0.00Fluorite -  $\text{CaF}_2$ ;0.00

Aragonite;0.00

Pyrite;0.10



## 3. Blok 11

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B11 20/12/23

Calcite -  $\text{CaCO}_3$ ; 99.31Dolomite -  $\text{CaMg}(\text{CO}_3)_2$ ; 0.17Quartz -  $\text{SiO}_2$ ; 0.02

Anorthite (Ca-feldspar); 0.00

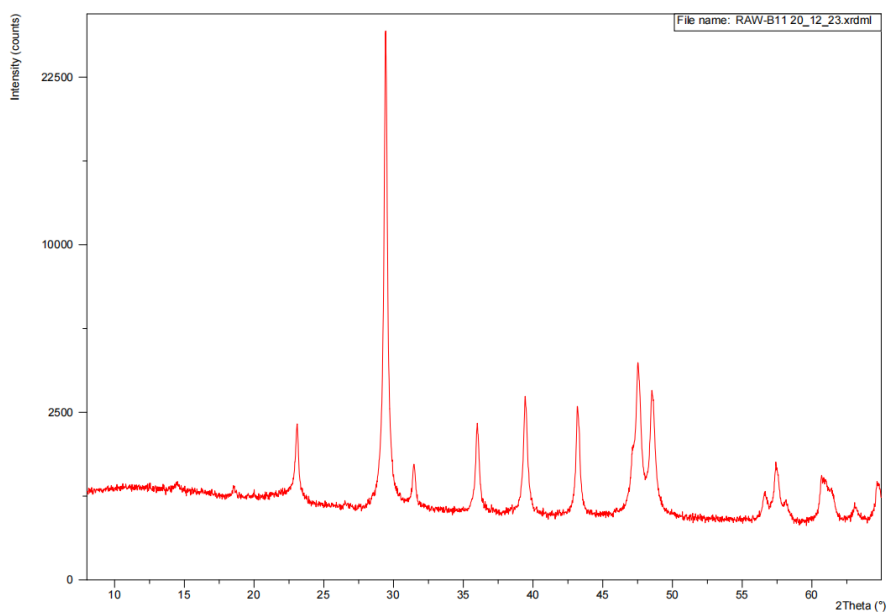
Albite (Na-feldspar); 0.00

Orthoclase (K-feldspar); 0.06

Illite (Mica) -  $\text{KA}_2(\text{AlSi}_3\text{O}_{10})(\text{OH})_2$ ; 0.00Kaolinite -  $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$ ; 0.00Hematite -  $\text{Fe}_2\text{O}_3$ ; 0.06Fluorite -  $\text{CaF}_2$ ; 0.00

Aragonite; 0.00

Pyrite; 0.38



## 4. Blok 12

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B12 CMPR SBLM 21/12/23

Calcite -  $\text{CaCO}_3$ ; 99.15Dolomite -  $\text{CaMg}(\text{CO}_3)_2$ ; 0.11Quartz -  $\text{SiO}_2$ ; 0.00

Anorthite (Ca-feldspar); 0.00

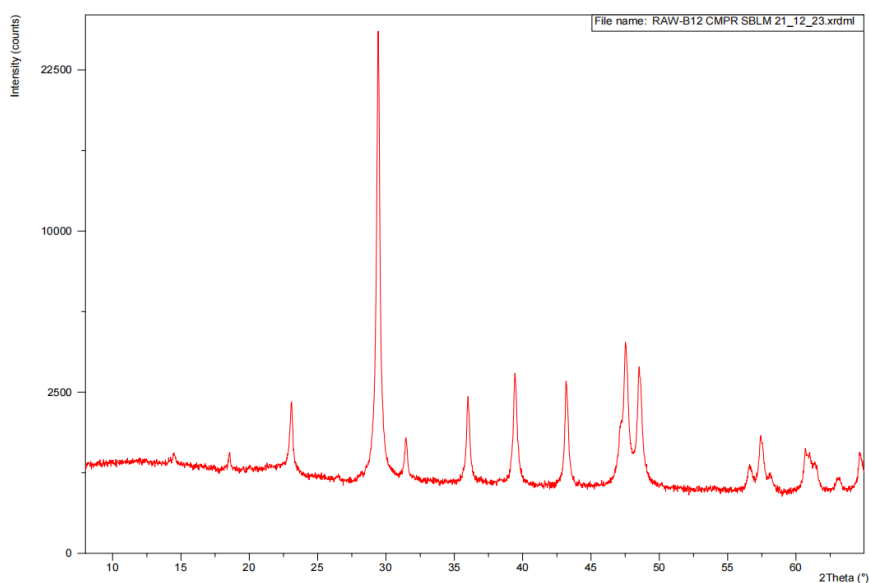
Albite (Na-feldspar); 0.00

Orthoclase (K-feldspar); 0.00

Illite (Mica) -  $\text{KA}_2(\text{AlSi}_3\text{O}_{10})(\text{OH})_2$ ; 0.00Kaolinite -  $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$ ; 0.02Hematite -  $\text{Fe}_2\text{O}_3$ ; 0.13Fluorite -  $\text{CaF}_2$ ; 0.00

Aragonite; 0.00

Pyrite; 0.60



# Lampiran 2. Tabel Periodik

## Periodic Table of the Elements

1 1A	2 IIA	3 IIIB	4 IVB	5 VB	6 VIB	7 VIIB	8 VIII	9 VIII	10 VIII	11 IB	12 IIB	13 IIIA	14 IVA	15 VA	16 VIA	17 VIIA	18 VIIIA												
1 H Hydrogen 1.008	2 He Helium 4.003	3 Li Lithium 6.941	4 Be Beryllium 9.012	5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.998	10 Ne Neon 20.180	11 Na Sodium 22.990	12 Mg Magnesium 24.305	13 Al Aluminum 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.065	17 Cl Chlorine 35.453	18 Ar Argon 39.948												
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.956	22 Ti Titanium 47.867	23 V Vanadium 50.942	24 Cr Chromium 51.996	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.693	29 Cu Copper 63.546	30 Zn Zinc 65.38	31 Ga Gallium 69.723	32 Ge Germanium 72.631	33 As Arsenic 74.922	34 Se Selenium 78.971	35 Br Bromine 79.904	36 Kr Krypton 83.799												
37 Rb Rubidium 85.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.95	43 Tc Technetium 98.907	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.906	46 Pd Palladium 106.42	47 Ag Silver 107.868	48 Cd Cadmium 112.414	49 In Indium 114.818	50 Sn Tin 118.711	51 Sb Antimony 121.760	52 Te Tellurium 127.6	53 I Iodine 126.904	54 Xe Xenon 131.294												
55 Cs Cesium 132.905	56 Ba Barium 137.328	57-71 Lanthanide Series	72 Hf Hafnium 178.49	73 Ta Tantalum 180.948	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.227	78 Pt Platinum 195.085	79 Au Gold 196.967	80 Hg Mercury 200.592	81 Tl Thallium 204.383	82 Pb Lead 207.2	83 Bi Bismuth 208.980	84 Po Polonium [209]	85 At Astatine [210]	86 Rn Radon 222.018												
87 Fr Francium 223.020	88 Ra Radium 226.025	89-103 Actinide Series	104 Rf Rutherfordium [261]	105 Db Dubnium [262]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [265]	109 Mt Meitnerium [268]	110 Ds Darmstadtium [271]	111 Rg Roentgenium [280]	112 Cn Copernicium [285]	113 Nh Nihonium [286]	114 Fl Flerovium [289]	115 Mc Moscovium [288]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [294]												
89 Ac Actinium 227.028	90 Th Thorium 232.038	91 Pa Protactinium 231.036	92 U Uranium 238.029	93 Np Neptunium 237.048	94 Pu Plutonium 244.064	95 Am Americium [243]	96 Cm Curium [247]	97 Bk Berkelium [247]	98 Cf Californium [251]	99 Es Einsteinium [252]	100 Fm Fermium [257]	101 Md Mendelevium [258]	102 No Nobelium [259]	103 Lr Lawrencium [262]	104 Rf Rutherfordium [261]	105 Db Dubnium [262]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [265]	109 Mt Meitnerium [268]	110 Ds Darmstadtium [271]	111 Rg Roentgenium [280]	112 Cn Copernicium [285]	113 Nh Nihonium [286]	114 Fl Flerovium [289]	115 Mc Moscovium [288]	116 Lv Livermorium [293]	117 Ts Tennessine [294]	118 Og Oganesson [294]
109 Tm Thulium 168.934	110 Yb Ytterbium 173.055	111 Lu Lutetium 174.967	112 Hf Hafnium 178.49	113 Ta Tantalum 180.948	114 W Tungsten 183.84	115 Re Rhenium 186.207	116 Os Osmium 190.23	117 Ir Iridium 192.227	118 Pt Platinum 195.085	119 Au Gold 196.967	120 Hg Mercury 200.592	121 Tl Thallium 204.383	122 Pb Lead 207.2	123 Bi Bismuth 208.980	124 Po Polonium [209]	125 At Astatine [210]	126 Rn Radon 222.018												
137 Fr Francium [223]	138 Ra Radium [226]	139 Ac Actinium [227]	140 Th Thorium [232]	141 Pa Protactinium [231]	142 U Uranium [238]	143 Np Neptunium [237]	144 Pu Plutonium [244]	145 Am Americium [243]	146 Cm Curium [247]	147 Bk Berkelium [247]	148 Cf Californium [251]	149 Es Einsteinium [252]	150 Fm Fermium [257]	151 Md Mendelevium [258]	152 No Nobelium [259]	153 Lr Lawrencium [262]													

Alkali Metal

Alkaline Earth

Transition Metal

Basic Metal

Semimetal

Nonmetal

Halogen

Noble Gas

Lanthanide

Actinide



## Lampiran 3. Dokumentasi Kegiatan



