

LIST OF FIGURE

Figure 2.1. Elements that Form Anions and Cations	18
Figure 2.2. Single Covalent Bond HCl, Double Covalent Bond CO ₂ , Triple Covalent Bond N ₂ (Ramli, et.al, 2022)	19
Figure 2.3. Nonpolar Molecule Cl ₂	20
Figure 2.4. Nonpolar Molecule HCl	20
Figure 2.5. Coordination Covalent Bond OH ₃ (Ramli, et.al, 2022)	20
Figure 2.6. The Framework of Thinking	26
Figure 3.1. The 4D Research Procedure	32
Figure 4. 1 Material Expert Validation Results	41
Figure 4. 2 Media Expert Validation Results.....	43
Figure 4. 3 Periodic Table of Elements	43
Figure 4. 4 Ionic Radius	44
Figure 4. 5 Coordination Covalent Bond	44
Figure 4. 6 Ionic Radius	44
Figure 4. 7 Nonpolar Covalent Bond	45
Figure 4. 8 Triple Covalent Bond	45
Figure 4. 9 Students Respond Results	46
Figure 4. 10 Example of a Marker	48
Figure 4. 11 Main Menu Display	48
Figure 4. 12 AR Camera Display	49