**CHAPTER 2**

**LITERATURE reviews**

**2.1 Definition of sensor**

Aadddddddddddddddddddxxxzzz (Wallace A. Cowling, 2013) zzzxxxxxxxxxxxxx xxxxxxxxxxxxxxxxmmmmmmmmxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

**2.2 Basic principle of**

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2.2.1.1 Adddldldldldldldldldldldldl

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**2.3 Nanomaterials-based electrochemical sensor**

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**2.3.1 xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx**

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2.3.1.2 AVddkdkdkdkdkdkdkdk

2.3.1.3 Adldldldldldldldlld

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**2.3.5 xxxxxxxxxxxxxxxxxxxxxxxx**

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**2.4 Xxxxxxxxxxxx**

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Wallace A. Cowling (2013) research ddddkdkdkdkdkdkdkddkk

Gasanov, B et al. (2015) a dadkkdkdkdkdkdkdkkd