CHAPTER III
THEORETICAL FRAMEWORK, CONCEPTUAL FRAMEWORK AND HYPOTHESIS

3.1. Theoretical Framework

HIV-infected patients with stavudine administration

Age

Sex

- Direct consequence of HIV infection
- Protease inhibitor containing regimens
- History of metabolic syndrome
- Sedentary lifestyle
- Obesity
- Cigarette smoking

Duration of therapy

CD4 count

Dyslipidemia

Lipodystrophy

Figure 1. Theoretical Framework
3.2. Conceptual Framework

![Conceptual Framework Diagram]

**Figure 2.** Conceptual Framework

3.3 Hypothesis

1. There is an association between stavudine administrations with lipodystrophy among HIV-infected patients in Dr. Kariadi Hospital Semarang.

2. There is an association between stavudine administrations with dyslipidemia among HIV-infected patients in Dr. Kariadi Hospital Semarang.

3. There are associations between lipodystrophy and routine demographic information (age, gender, CD4 count, and duration of treatment) among
HIV-infected patients with stavudine administration in Dr. Kariadi Hospital Semarang.

4. There are associations between dyslipidemia and routine demographic information (age, gender, CD4 count, and duration of treatment) among HIV-infected patients with stavudine administration in Dr. Kariadi Hospital Semarang.