

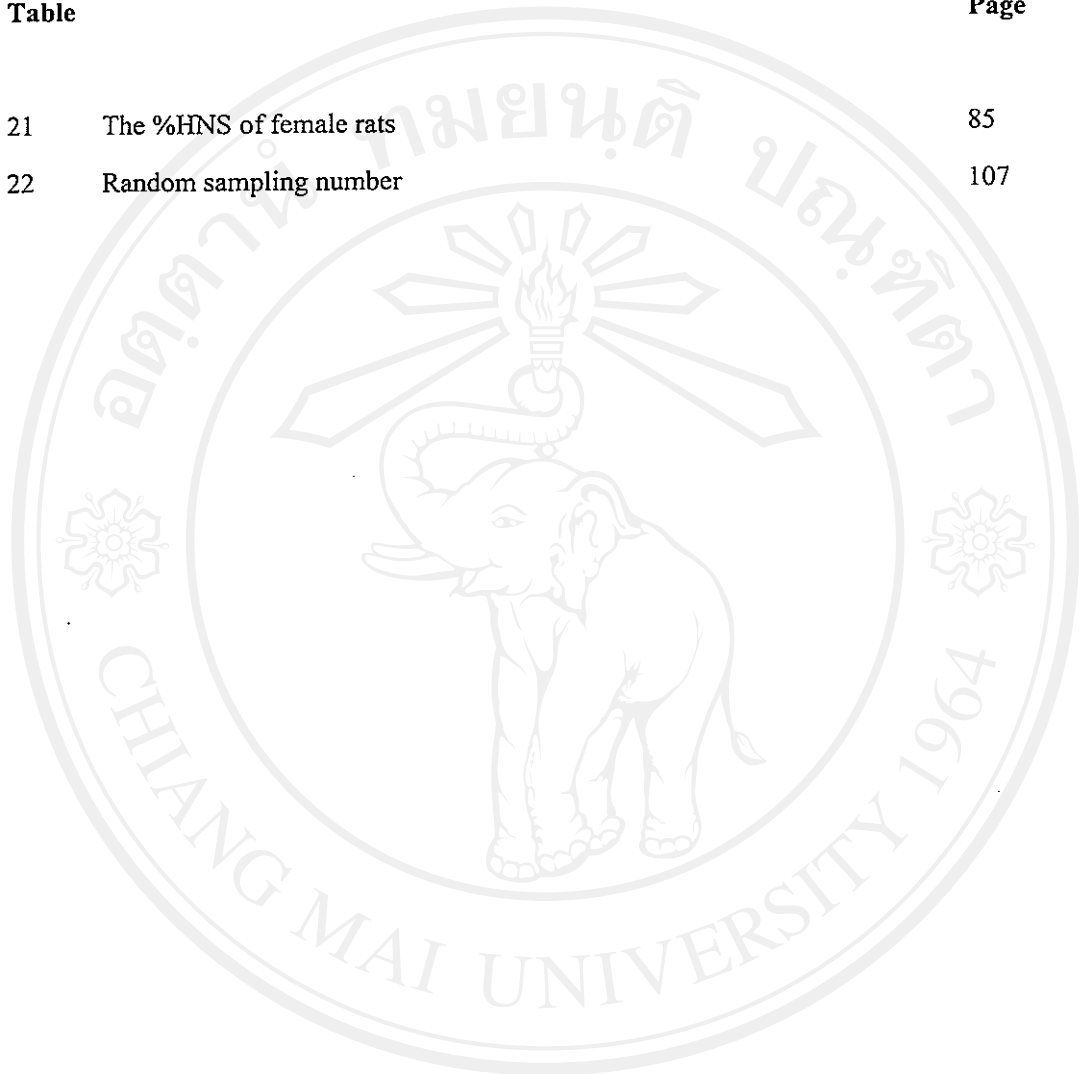
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| extending to the portal tracts in some region.                          |      |

## LIST OF ABBREVIATIONS AND SYMBOL

|                               |                                        |
|-------------------------------|----------------------------------------|
| %                             | Percentage                             |
| Ac                            | Acetaminophen                          |
| ALT                           | Alanineaminotransferase                |
| ARDS                          | Acute respiratory distress syndrome    |
| AST                           | Aspartate aminotransferase             |
| ATP                           | Adnosine triphosphate                  |
| BSA                           | Bovine serum albumin                   |
| °C                            | Degree celcius                         |
| C <sub>18</sub>               | Octadecylsorbent                       |
| Ca <sup>2+</sup>              | Calcium ion                            |
| CL                            | Clearance                              |
| CYP                           | Cytochrome P-450                       |
| DIC                           | Disseminated intravascular coagulation |
| dL                            | Decilitter                             |
| DNA                           | Deoxyribonucleic acid                  |
| DS                            | Disulfiram                             |
| DTNB                          | 5,5'-dinitio-bis-2-nitrobenzoic acid   |
| EDTA                          | Ethylenediaminetetraacetic acid        |
| FHF                           | Fulminant hepatic failure              |
| g                             | Gram                                   |
| GSH                           | Glutathione                            |
| H <sub>2</sub> O <sub>2</sub> | Hydrogen peroxide                      |
| HPLC                          | High performance liquid chromatography |
| IP                            | Intraperitoneal                        |
| INR                           | International normalized ratio         |
| IU                            | Internationalunit                      |

|                   |                                                     |
|-------------------|-----------------------------------------------------|
| kg                | Kilograms                                           |
| L                 | Liter                                               |
| LD                | Lethal dose                                         |
| LPO               | Lipid peroxidation                                  |
| mg                | Milligram                                           |
| MgCl <sub>2</sub> | Magnesium chloride                                  |
| min               | minutes                                             |
| ml                | milliliter                                          |
| mmol              | milli mole                                          |
| mM                | milli molar                                         |
| MPT               | Mitochondrial membrane permeability tradition       |
| N                 | Normal                                              |
| NAC               | <i>N</i> -acetylcysteine                            |
| NaCl              | Sodium chloride                                     |
| NADP              | Reduced $\beta$ - nicotinamide adenine dinucleotide |
| NADPH             | $\beta$ - nicotinamide adenine dinucleotide         |
| NaOH              | Sodium hydroxide                                    |
| NAPQI             | <i>N</i> -acety- <i>p</i> -benzoquinone-imine       |
| ng                | Nanogram                                            |
| nM                | nanomolar                                           |
| NO                | nitric oxide                                        |
| NSAID             | Nonsteroidal antiinflammatory drug                  |
| O <sub>2</sub>    | Oxygen                                              |
| ONOO <sup>-</sup> | Peroxynitrite                                       |
| P.O.              | Per oral                                            |
| pH                | Power of hydronium                                  |
| PTR               | Pertsucht tuberculin time                           |
| rpm               | Hound per minute                                    |
| t <sub>1/2</sub>  | Half-life                                           |
| ug                | Microgram                                           |