**Exercises for RSP Part 2**

**(1) What is the research topic that you are interested in?**

State a possible conceptual research hypothesis (research topic).

Does it adhere to the FINER principle?

Define all words and concepts mentioned in your conceptual research hypothesis (research topic).

What is your expected outcome? How is your outcome measured? If possible, you give a numerical value to the expected outcome? Do you have a reference for this numerical value?

If the above does not fit your research topic, is your topic of qualitative nature?

Based on the definitions, state an operational research hypothesis. Use PICOT if it is appropriate.

**(2)** In (1) you were asked to develop an operational research hypothesis for your quantitative research project. **What would be the ideal study design for your hypothesis?**

**If your research topic requires a qualitative study, what kind of approach will you use?**

State advantages and disadvantages of the chosen design and argue why you think that it is best for your study.

**(3) Consider if you have developed each of these items below.**

1. Have you developed the hypothesis or your research question if you a doing qualitative research?

2. Have you picked your study design? Defend your choice of design.

3. Have you selected your sample to study? Provide clear inclusion and exclusion criteria.

4. Have you designed how you will make measurements of the exposure and the outcome and potential confounders (if applicable)?

5. Have you considered bias in sampling, measurement and confounding?

6. Have you planned how to analyse the result?

7. Have you considered the timeframe and ethics?

8. Have you considered the potential limitations of the study? Think bias again! How can this bias be minimised?