

## **APPENDIX**

## APPENDIX A PERCENTAGE OF YIELD

The percent yield of *A. racemosus roots* extract is calculated by using this equation:

$$\% \text{ yield} = [\text{dried extract weight (g)} / \text{plant material sample weight (g)}] \times 100$$

**1. % yield of AR 1-H extract**

$$\begin{aligned} \% \text{ yield} &= [1.03 \text{ (g)} / 1.8 \text{ (Kg)}] \times 100 \\ &= 0.06 \end{aligned}$$

**2. % yield of AR 1-E extract**

$$\begin{aligned} \% \text{ yield} &= [115.35 \text{ (g)} / 1.8 \text{ (Kg)}] \times 100 \\ &= 6.41 \end{aligned}$$

**3. % yield of AR 1-A extract**

$$\begin{aligned} \% \text{ yield} &= [87.65 \text{ (g)} / 1.8 \text{ (Kg)}] \times 100 \\ &= 4.87 \end{aligned}$$

**4. % yield of AR 1-B extract**

$$\begin{aligned} \% \text{ yield} &= [34.72 \text{ (g)} / 1.8 \text{ (Kg)}] \times 100 \\ &= 1.93 \end{aligned}$$

**5. % yield of AR 1-S extract**

$$\begin{aligned} \% \text{ yield} &= [87.45 \text{ (g)} / 1.8 \text{ (Kg)}] \times 100 \\ &= 4.86 \end{aligned}$$

**6. % yield of AR 2-H extract**

$$\begin{aligned} \% \text{ yield} &= [0.46 \text{ (g)} / 1.8 \text{ (Kg)}] \times 100 \\ &= 0.05 \end{aligned}$$

**7. % yield of AR 2-E extract**

$$\begin{aligned} \% \text{ yield} &= [57.29 \text{ (g)} / 1 \text{ (Kg)}] \times 100 \\ &= 5.73 \end{aligned}$$

**8. % yield of AR 2-A extract**

$$\begin{aligned} \% \text{ yield} &= [55.12 \text{ (g)} / 1 \text{ (Kg)}] \times 100 \\ &= 5.51 \end{aligned}$$

**9. % yield of AR 2-B extract**

$$\begin{aligned}\% \text{ yield} &= [23.37 \text{ (g)} / 1 \text{ (Kg)}] \times 100 \\ &= 2.34\end{aligned}$$

**10. % yield of AR 2-S extract**

$$\begin{aligned}\% \text{ yield} &= [72.85 \text{ (g)} / 1 \text{ (Kg)}] \times 100 \\ &= 7.29\end{aligned}$$

**11. % yield of AR 3-H extract**

$$\begin{aligned}\% \text{ yield} &= [7.43 \text{ (g)} / 4.8 \text{ (Kg)}] \times 100 \\ &= 0.15\end{aligned}$$

**12. % yield of AR 3-E extract**

$$\begin{aligned}\% \text{ yield} &= [525.07 \text{ (g)} / 4.8 \text{ (Kg)}] \times 100 \\ &= 10.94\end{aligned}$$

**13. % yield of AR 3-A extract**

$$\begin{aligned}\% \text{ yield} &= [247.16 \text{ (g)} / 4.8 \text{ (Kg)}] \times 100 \\ &= 5.15\end{aligned}$$

**14. % yield of AR 3-B extract**

$$\begin{aligned}\% \text{ yield} &= [115.54 \text{ (g)} / 4.8 \text{ (Kg)}] \times 100 \\ &= 2.41\end{aligned}$$

**15. % yield of AR 3-S extract**

$$\begin{aligned}\% \text{ yield} &= [215.56 \text{ (g)} / 4.8 \text{ (Kg)}] \times 100 \\ &= 4.49\end{aligned}$$

**16. % yield of AR 3-En extract**

$$\begin{aligned}\% \text{ yield} &= [32.4 \text{ (g)} / 150 \text{ (g)}] \times 100 \\ &= 1.22\end{aligned}$$