CHAPTER 6
CONCLUSION

1. The graphic in the 59 USG images filtering result shows that the PSNR value of Harmonic Mean Filter algorithm is better than Midpoint Filter one in 3x3, 5x5, 7x7, 9x9 kernels.

2. The result of filtering in 9x9 kernels shows that the filter using Midpoint Filter has a blur so bad, while Harmonic Mean Filter has only a little blur.

3. This research, about noise reduction in USG images, is taken from IT perspective and supporting journals, because it has not received the approval from the medical world. Therefore, the noise that should be important in the medical world can be lost in the filtering process.

This research can be developed further with a better algorithm other then Midpoint Filter or Harmonic Mean Filter. The used parameter can be with a more accurate histogram or another more accurate parameter. As well as the permit from the medical world that will make it easier in finding out the noise in detail.