## IV. Conclusion

Recognition of Arabic handwriting is an area of research that continues to grow because of the complexity of each person's patterns when writing. In this study, the CNN algorithm was implemented using the LeNet-5 architecture to recognize Arabic handwriting patterns using a local dataset. The accuracy obtained in this study is 81%, and it is better than in previous studies (78.10%) [25]. The upcoming research can attempt several other CNN architectures to improve the accuracy of the classification results.

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