

Mimic Human Speech in Bahasa Indonesia Using Speech Recognition and Speech Synthesis

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background

Everyday people use speech recognition and speech synthesis unconsciously. These technologies help them with their activities. With each technology can produce any kinds of software related to speech. Combine both of technologies can produce many more. One of the combinations is mimic human speech.

objective

This research aims to develop application which can be used and able to collect, train, and mimic speech in Bahasa Indonesia.

related works



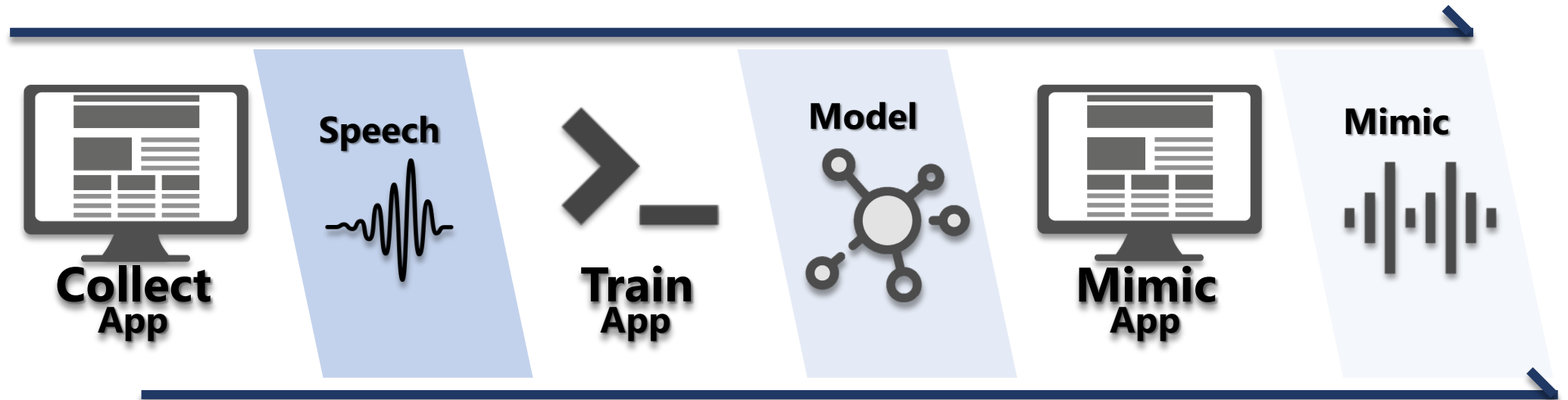
Lyrebird



Google Translate

Applications	Features					
	Recognize Speech	Generate Speech			Speech Vocal	
		<i>In English</i>	<i>In Bahasa Indonesia</i>	<i>In Others</i>	<i>Artificial</i>	<i>Own Digital Speech</i>
Lyrebird.ai	Yes	Yes	No	No	Yes	Yes
Google Translate	Yes	Yes	Yes	Yes	Yes	No
Mimic Speech (This Research)	Yes	No	Yes	No	No	Yes

application overview



conclusions

This application able to collect, train, and mimic speech in Bahasa Indonesia.

This application able to recognize speech from record audio although the prediction and accuracy are not perfect. But, the machine learning able to predict well most of the times.

This application able to generate speech based on inputted text although the result still has silent or redundant part. But, the generated speech can be heard and understood.